

PUBLIC LIBRARY
FORT WAYNE & ALLEN CO., IND.

INDIANA COLLECTION

✓

ALLEN COUNTY PUBLIC LIBRARY



3 1833 05353 227 8

GC

977.202

F77ELG,

1924-1925





December 31, 1923

To my Co-workers,
Fort Wayne and Decatur Works,
Greetings:

The year just closing has been a successful one for these Works. The rate of production and employment have been fairly uniform and there has been fortunately no necessity for any material reduction in the number of employees.

The harmonious relations which have existed for years past between the company and its employees and between individuals and groups within the organization have continued uninterrupted by any disagreements or misunderstandings and apparently this fortunate condition is founded upon an attitude of mutual confidence and respect.

I take this opportunity to express the thanks of the management for this spirit of friendly cooperation, to hope for a continuation of these cordial relations and to wish for each one of you a large measure of prosperity and happiness in the year to come.

Yours very truly,

Halter Gole



FORT WAYNE WORKS NEWS

VOL. 8

JANUARY, 1924

No. 1

THE COFFIN FOUNDATION PRIZES TO BE AWARDED

Who Will Be the Deserving Ones? Officials Devoting Many Hours to the Decision

WHO are the men and women in the great General Electric organization who have rendered the most distinguished service during the past year? Who are the employees whose fine performance at bench or lathe, at office desk or in the field, during 1923 have made them most conspicuous among their fellow workers?

These are the questions which will be answered in January when the advisory committee of the company will announce those to whom the Charles A. Coffin certificates of award have been granted. Among these men and women who have made the most signal contributions toward progress in the electrical art and increased efficiency of the company \$11,000 will be divided.

This sum has been set aside by the directors, in creating the Charles A. Coffin Foundation, for distribution among G-E employees. It will be awarded without regard for any award which may have been made previously by the suggestion committees in the various Works.

In order that all G-E employees may have an opportunity to share in the Coffin Foundation prizes the company's workers have been divided into groups as follows:

1. All employees of Apparatus and Lamp Works, exclusive of managers, superintendents and foremen. (In this class the suggestions from men in the shops will be considered.)
2. Foremen of Apparatus and Lamp Works.
3. All engineers associated with the several Works, District Offices and General Offices.
4. All commercial men, whether in District Office or General Office Commercial Departments.
5. All employees in Accounting, Publicity and other departments not previously classified.

By making this classification it has been possible to have those in similar lines of work competing against each other. In other words, a machinist's accomplishment in making a valuable suggestion will not be compared with engineers' accomplishments, but with those of other shop workers. It is not necessary, however, that an award be made in each group since it is the in-

tention of the foundation to reward only those making the most signal contributions to the electrical art. There is no fixed amount designated for distribution in each class, but the entire \$11,000 will be awarded. With each cash prize a beautiful lithographed certificate of award will be issued. The certificates bear the portrait of Mr. Coffin as sculptured by Chester Beach, a distinguished artist.

The Charles A. Coffin Foundation has the sum of \$20,000 a year available for its work. More than one-half of this amount is to be used annually to reward those G-E employees whose exceptional services in the electrical field merits this special recognition.

The task of deciding to whom awards shall be made is no easy one. The accomplishments of all the men and women in the employ of the company whose endeavors have been such as to merit consideration for awards must be reviewed. The achievements of these workers have been splendid and must be weighed, one against the other, that the awards may be made justly. To this work officials of the company are devoting many hours, and conferences regarding the distribution of the awards are numerous, for the officials desire that their decisions be made with absolute justice.

OUR COVER

We hope old friends recognized us in our new cover design and that our readers approve the style we have used. On these covers we shall carry views of workers and machines in our shop. Short stories may be offered in connection with these views.

On our present cover, you recognize a battery of the punch presses in Building 4-1. Busy machines are these presses, for they produce the numberless punchings for the field and armature cores of the thousands of small motors which we build here each week. But there is additional interest in this view, as the operators of these machines have an outstanding safety record of which they are justly proud. Naturally these machines which bite punchings from sheets of tough steel are inherently dangerous to the opera-

tors should they let their hands come between the powerful jaws. These presses are particularly difficult to safeguard by mechanical devices, and therefore there can be no greater safeguard to the operators than habits of carefulness.

Five months without a single finger pinched is the record of these men. They are jealous of their record, as is evident by their refusing to work with a new man until he had agreed to follow the practices of the others which had proven to be safe. More of this spirit in our shop would reduce preventable accidents which too often still occur, and none would profit more than those who from thoughtless acts are endangering their own safety.

CHANGES IN FRACTIONAL H.P. MOTOR SALES DEPT.

S. P. Hirsch Resigns—O. B. Rinehart and S. E. Uncapher Become Assistants to the Manager.

Mr. S. P. Hirsch, the assistant manager of the fractional horsepower motor sales department, left the employ of this company December 31st to accept a position with the Peerless Electric Company of Warren, Ohio. Mr. Hirsch had been with our company for the past seventeen years, coming here soon after graduating from the University of Illinois. His first experience was gained through the student course, which gave him the opportunity to become familiar with all the products of the Works and the methods of manufacture. On leaving the student course, he entered what was then known as the construction department, and for a number of years was engaged in installing generating and power equipment and in servicing such equipment whenever the customers of our company required expert help.

A number of years ago Mr. Hirsch was transferred to the fractional horsepower motor sales department, and four years ago was made assistant manager of that department. He is well known among our Works' people and his many friends in the organization wish him full measure of success in his new position.

Messrs. O. B. Rinehart and S. E. Uncapher have been appointed assistants to Mr. A. J. Francis, the manager of the fractional horsepower motor sales. Mr. Rinehart has transferred from his former position as head of the production section, while Mr. Uncapher has for several years been a member of the sales department.



WM. F. MUELLER

WM. F. MUELLER GETS \$50 BOND AS REWARD ON SUGGESTION

One Other Award Made During Past Month.

Mr. Wm. F. Mueller, whose photograph appears above, was presented with a \$50 General Electric Employees' Securities Corporation Bond as an award on a suggestion he submitted. Mr. Mueller is a specialist working under Mr. J. Trautman in Bldg. 4-4.

His suggestion was to install an air broaching press to broach meter bases in Bldg. 19-B. When this idea was examined by the meter department, Mr. J. F. Smith, general foreman of this department, discovered that by doing as suggested and by combining this operation with another operation, a considerable saving would be effected. The committee on suggestions wishes to publicly congratulate Mr. Mueller for the interest he has taken in the manufacturing methods, not only of his department, but of the other departments in the works. Mr. J. F. Smith is also to be commended for his exceptionally good co-operation in making this suggestion practical.

Mr. Wm. Fisher, who is employed in the cold header department in Bldg. 26-4, was given an award of \$5.00 on his suggestion concerning an oil guard over the chuck and spindle on the pointing machines in the cold header department.

THE TECHNICAL NIGHT SCHOOL

Some Facts About It—New Term to Start January 28th.

Does an education pay? This question arises in everyone's mind some time. It cannot be answered in the negative, though there are many who

would do so in order to excuse themselves from making the sacrifice necessary to get an education.

Not so with the forty or more young men who have been going to class in Bldg. 26-5 several nights a week for the last three months. Each and every one of these men know that an education pays and is making the necessary effort to get it.

If you talk with the instructors in the different classes they will tell you that night school students make the most attentive classes. Why? Because each and every student realizes that the quicker he prepares himself for a bigger job the sooner will he receive it.

The classes being taught at present are first and second term drafting and theory and practice of direct current machinery.

In the drafting course the men receive drafting practice and theory that teaches them the "ins" and "outs" of blueprint reading as well as fits them for drafting and design work.

It is surprising that in a factory making electrical equipment there should be so many who have only a superficial knowledge of electricity. It is the purpose of the electrical courses to give the practical man a thorough understanding of electricity.

In the night school courses problems and text book work is carried along with actual laboratory experiments on standard and special machines.

The fall term closes January 21. The spring term opens January 28. At that time all employees will have another opportunity to get instruction in the various courses that will be announced later. Already a number have made known their intentions to enroll for the spring term. From all indications comes promise that more will enroll for the spring term than ever before. The G-E foremen are in no small way responsible for added interest that is being taken in the technical courses. Seven men were sent over by one foreman last fall.

Look for the spring term announcement, pick out the courses you want and get in line for greater knowledge and bigger pay.

DR. CARTWRIGHT RESIGNS TO ENTER PRIVATE PRACTICE

Dr. J. W. Garton Becomes Works Physician.

Just at the end of the old and at the beginning of the new year, we must say "Good-bye and Good Luck" to Dr. Cartwright, who leaves our employ, and "How-do-you-do, we are glad to know you," to Dr. Garton, who has taken over the work of Dr. Cartwright as Works physician.

Dr. Cartwright has severed his connections with us in order to enter upon private practice of his profession. In the three and one-half years he has served as Works physician, he has not



DR. J. W. GARTON
Our New Works Physician

only very creditably handled all the work incidental to this position, but has made a host of friends, both professionally and socially. Dr. Cartwright's office will be located at the corner of Broadway and Taylor street, and we certainly wish him every success in the practice of his profession.

Dr. J. W. Garton, whom we introduce by the accompanying halftone, is a graduate of the Indiana University School of Medicine. He comes to us highly recommended, not only by the hospital in which he served his internship, but also by the state institution with which he has been professionally connected. The few weeks that Dr. Garton has been here indicate that we shall like him very much. We welcome Dr. Garton into our big G-E family with the sincere hope that his coming to us shall be to our mutual pleasure and advantage.

FRIDAY NOONS

You want to be sure to come over to Building 16-2 between 12:20 and 12:50 on Friday noons, because from now on we are going to have some excellent programs for the benefit of all employees.

A committee is being arranged to look after these meetings, which will probably be of the following nature:

Musical—Community singing or special music, such as violin, piano, songs, quartets, etc.

Dramatics—Playlets and debates.

Talks—Inspirational, religious, educational and talks on travels.

For instance, on December 14th the European School of Music gave us a program of piano solos and recitations which was very good and much enjoyed by the people who attended.

BIG EVENTS FEATURED **414783** WORKS' FIRE PREVENTION DAY

Works and City Fire Departments Give Fire Fighting Demonstration— Works' Firemen Hosts at Big Dinner, the Final Event

ALTHOUGH not announced on our bulletins as the Works' Fire Prevention Day, that in substance is what December 13th actually was at our Fort Wayne Works. Whether it was the non-committal bulletins which were issued in regard to the noon event, or suspicions as to what was actually to occur during the noon hour that day, there was certainly a good sized gathering on Wall street and in the buildings where windows allowed a vision of the street. The demonstration was interesting and a success. Our firemen were on their toes when the fire alarm came in. They made quick work of their run to the scene on Wall Street, and soon had their ladders raised and a stream of water directed on the imaginary fire. A fake city alarm brought out the motor pumping engine and the big ladder truck. The big ladder was raised to its towering height and the city firemen scampered up with a hose to the

upper bridge connecting Buildings 19 and 26. In an instant the pumping engine was running at full speed, forcing a heavy stream of water up through the hose which the firemen had carried to the top of the bridge. This stream was directed on an imaginary source of fire on Building 26. Nothing but the smoke and flame of a great fire was lacking to make the event seem real. The Works' patrolmen directing the traffic on the street, the quick, definite action of the firemen, the streams of water, the crowd of spectators, and the fair degree of excitement and interest of the real thing were all in evidence.

After the streams were turned off, the ladder men turned the big ladder against the wall of Building 26. Again a half dozen firemen ran quickly to its top and from its very top pulled themselves up and over the window ledge of the fifth story of Building 26. It was thrilling to see these men go through this drill and it must have inspired the

crowd with a new sense of pride in our city's equipment and fire fighting force.

While not so spectacular, perhaps, we think no one missed the work of our own Works' firemen. Their line of hose was quickly put in service on top of Building 24. Knowing as we do that our Works' firemen are familiar with every turn and corner in all our great buildings, that they know every electric line and switch and the location of every piece of fire fighting equipment located at advantageous points throughout our buildings, we must realize that the work of our firemen with their shorter ladder and smaller hose demonstrated just as high an efficiency in protecting our buildings and our people as did the firemen in the city department who so willingly co-operated in putting on this event. The co-operation of our Works and the city officials in staging this event is evidence of the seriousness with which fire menace is viewed by those in authority. The final bulletin of fire prevention "Do's and Don'ts" that was handed to the employees of this works following this event we trust caused many of the employees to give serious attention to the situation as it exists in their homes as well as in the sections of the plant in which they may work. If these results



CITY FIREMEN SCALE BIG LADDER TO TOP BRIDGE ACROSS WALL STREET IN FIRE FIGHTING DEMONSTRATION



THE CROWD ON WALL STREET ON WORKS' FIRE PREVENTION DAY

have been attained, the demonstration and publicity directed toward fire prevention has not been in vain.

As a fitting close to the activities of the Fire Prevention Day, the G-E volunteer firemen were hosts at a great dinner attended by some eighty odd firemen and guests. The writer, lucky enough to be a guest, scarcely could do justice to the sumptuous chicken dinner that was placed before him, and therefore in attempting a written description should necessarily fail to do justice to the feed. The tables were placed beneath a canopy of fiery red streamers, and vases of red carnations on the tables carried further the fitting color scheme. On a center piece the burnished fire nozzles, trumpets and helmets added to the effect and an eight-piece orchestra of G-E musicians under the direction of F. E. Ashbaugh played during the course of the dinner.

After the eats, Mr. Barnes, on invitation, took in hand the direction of affairs. He called on Mr. Goll, who in a talk reviewed the development of this Works and in doing so emphasized, for the benefit of the visitors, the evidence that this company is sincerely interested in the success, prosperity and well-being of the community at large and particularly in the prosperity and happiness of all its employees. He recalled to mind the fact that the local G-E employees and the company have never failed to give material aid toward well organized civic and charitable endeavors. In speaking of fire prevention, Mr. Goll announced that the Works' fire loss during the year of 1922 was only \$500, and that in 1923, up to December 13th, the fire loss had been kept to the low figure of \$800, a fine evidence of the efficiency of the Works

Fire Department and the fine co-operation of the city fire department.

Mayor Hosey was next called on for remarks and in his talk stated his opinion that the citizens of Fort Wayne, in view of the admirable fire protection, fire fighting equipment and facilities with which our city is possessed, should be entitled to more favorable rates of insurance.

Mr. Leroy Brandt, of the Journal-Gazette, Assistant State Fire Marshal, in a short talk called attention to the three essential requirements for a fire to develop:

First—Combustible material must be present.

Second—There must be a supply of air.

Third—There must be a supply of heat.

The speaker emphasized the fact that heat of a degree just beyond that which might be uncomfortable to the hand, might if constantly maintained for a long period of time, finally result in kindling of fire. He further stated in this connection that to put hot ashes in metal containers was not an absolute assurance against danger from fire, and he showed a photograph where a fire had started from this cause, due to the fact that the metal container had been allowed to stand on a wooden floor. The heat radiated from the metal container was sufficient to kindle a fire in the floor beneath. As air is always present and combustible material is likely to be on every hand, it is highly essential that we keep from the combustible material any supply of heat. Mr. Brandt had on display a large number of photographs and exhibits of fire risks which were well worth seeing.

The other visitors, representatives of the city administration and of the other

industries of Fort Wayne, were introduced during the course of the meeting, but a lack of time made it impossible to call upon all of these for talks. Present among the guests of the evening were: Mayor Hosey; Wm. Moeller, chief of police; R. Gaskill, chief electrician, Fire Department; A. Keller, H. Lapp, Calvin Riemann, Board of Safety; Edward Lewis, Chamber of Commerce; W. C. Glass, Dudlo; Mr. Guenther, Bowser's; A. Young, Packard Piano Company; O. Keesbury, Edison Lamp Works; Mr. Ossler, Knitting Mills.

CHRISTMAS PARTIES

Meter Department Party

The week before Christmas was nearly filled with Christmas parties given by the various departments throughout the Works, but it remained for the meter department in Building 19-4 to put the finishing touches on a real Christmas party.

A committee consisting of E. Miller, chairman; Florence Case, secretary; Harry Haberkorn, William Miller, George Welker, Frank Martin, Fern Burris, Mina Cleverly, Claude Birely and Ralph Dolan, had general charge of the arrangements for the affair, and nothing was left undone to make it a complete and unqualified success.

This party, held in Building 19-4, Thursday noon, December 20th, was opened by an appropriate concert by the G-E Band, who transferred their regular concert from Building 4-1 to provide music for this affair. After the band concert, two songs were ably rendered by a vocal trio consisting of Howard Freeman, Howard Miller and C. A. Nichols. Following this a grand march was held, during which all the meter department employees and their guests marched past the prettily decorated Christmas tree and received from a real live Santa Claus a package of candy and an apple. The party then acknowledged the presence of E. A. Barnes, E. L. Simpson and P. C. Morganthaler, and the latter in a few well chosen words thanked the meter employees for their hearty co-operation in meeting the heavy demands made upon their production capacity, and bespoke for the management its hearty endorsement of the spirit of these Christmas gatherings which, he said, were becoming more numerous each succeeding year. In closing he voiced his appreciation of his invitation to attend and extended to all employees his wishes that they have a merry Christmas and a prosperous New Year.

Community singing by the guests accompanied by the band concluded just about the best and nicest Christmas party ever given by a single department in the G-E plant.

Fractional H.P. Motor Engineering Department Party

Great things sometimes have small beginnings. It was so with the Christmas party staged by the fractional

horsepower motor engineering department. Someone said "Why not?" and that set the ball rolling.

Before long the whole department knew about it—the men's wives and youngsters were invited and everyone was enthusiastically planning to have a good time.

And did we? At 6:30 p. m., December 20th, the nicely decorated banquet table in Building 16-2 was surrounded with the peppiest bunch of folks you ever saw. The dinner which had been planned by the girls—well, the way Tommy and a few others stowed it away was a most eloquent commentary about what sort of dinner it was. Good doesn't express it at all, unless you say good in the superlative degree. And to help things out still more the delicious cakes which some of the men's wives supplied simply capped the climax. (We always knew the good natured fellows up here must be well fed.)

After dinner the tables were removed and the youngsters were led in games while the older "youngsters" were given a glimpse into the dim and misty future by Mr. Shaefer. The caricatures which were shown also shed some light on the future in store for some of us. We didn't know before that we had so many notable men in this department, but we have at least two of the presidents and one "Would Have Been."

Music? I should say we had some real music. We have an honest-to-goodness orchestra all our own. The musicians are Miss Wager and Mr. Rapp (piano), Miss Haiber, Mr. Wahle and Mr. Staak (violin), Mr. Stephenson and Mr. Staak (mandolin), and Mr. Stephenson (banjo). Besides these members the orchestra was very ably assisted by Miss Merrill at the piano. Special selections were rendered by Miss Merrill, Miss Wager and duets by Miss Haiber and Mr. Staak.

Santa Claus got waylaid somewhere near New Haven, so the youngsters' toys were untangled by the youngsters themselves. Each of the little boys and girls got a box of candy and the box which was left over was given to ———. Well, it wouldn't do to give the little fellow away.

About that time some of the kiddies began to be a bit sleepy, so the fond parents took them home. The big concert phonograph furnished music for those who stayed to dance, and we noticed, off in one corner, a bunch of fellows who seemed to be having an awfully good time playing cards.

Was it a success? Well, we should almost say so! The pictures which Mr. Gawehn was good enough to take, tell only a little part of the story. The credit is due to no one more than to the program committee and the music committee and all of the rest of the gang—for everyone helped.

Party in Building 19-5

Friday noon, December 21, a Christmas party was given in Building 19-5. Lageman Brothers played Christmas se-

lections and Little Bobby played for us again. He enjoys playing for us as much as we enjoy hearing him. "Silent Night" was sung by all present. The crowd present outnumbered any crowd which has ever been in attendance at one of these affairs. Presents were distributed by Santa, and there were candy and apples for all.

An interesting feature of this party was that the same tree has been used for three years. If you want to know how this is done, ask Mr. Lageman.

Party in Building 26-4

Building 26-4 had a Christmas party on December 21. There was a Christmas tree, a Santa Claus who had a sack of presents for all the guests, music, 'n everything. The music was furnished by Albert Strain, Calvin Langohr, Helge Hoglund and John Hall. Everybody felt real Christmassy and happy. The committees responsible for all of this were:

Music—Darrel Daniels, George Eyllenberg, Edward Glenwith.

Refreshments—Myrtle Schuelke, Elmer Joekel, Wm. Neiman.

Decorations—Irene Meyers, Alma Geary, Harry Andress, Elmer Schoenlein.

The Big Party

The big G-E Christmas party held on the Friday before Christmas was a success in spite of certain handicaps which included most unfavorable weather. Building 27 was crowded to the doors, and it seemed that the kiddies were nearly all there. Happily everyone who came was able to get inside and it was not necessary to deny admission to adults who failed to have children with them.

The band program as usual was a treat. There is no need for extra words to assure our Works readers of this fact. Paul Harmon's vocal numbers, accompanied by Miss Emel Verweire, pianist, were fine. The audience by its applause assured these artists of the pleasure their offerings gave. Musical programs arranged by Director Verweire are always sure to please and the special one for the Christmas party was a treat to both the old and young.

The story of the Christmas party would not be complete without special mention of the home scene so ably carried out. The cosily furnished cottage with wide fireplace, and the family numbering plenty of children all expectant of the visit of Santa Claus, formed a tableau portraying the spirit of the occasion. The entire family performed well their parts and old Santa was up to all expectations.

Three thousand boxes of candy and oranges tell the bigness of the affair. The Christmas tree, a beauty both in its natural proportions and in its decorations, will live in the minds of the youngsters long after the candy has disappeared. All who helped with hands, ideas, talents or money in putting on this big event are to be congratulated on the success of the affair.

THE FOREMEN'S ASSOCIATION

Members Enjoy Feeds—Election of Officers.

At the November meeting of the Foremen's Association, Joe Schwartkopf was elected to direct the affairs of the association for the coming year. The other members elected to office were: Otto Brunner, secretary, re-elected for a second term; Fred Schafenacher, treasurer; Henry Lepper, first vice-president; Wm. Wehrs, second vice-president, and Wm. Miller, third vice-president. The election was a spirited one and not until the final votes were counted was the ticket certain.

The election followed one of the foremen's famous Thanksgiving dinners which was attended by one hundred and thirty-five members. The menu for this affair consisted of the inevitable turkey with the necessary trimmings and accompaniments. Following the dinner the members held their regular monthly meeting, where the business affairs of the organization were discussed and officers were elected.

R. McVay, Bldg. 4-2, was elected to membership in the club.

For the December meeting, the entertainment committee had again arranged a delightful dinner, a chicken dinner this time, after which the newly elected officers were installed, and other business of importance transacted.

The retiring officers of the association are John Pulver, president; Harry Hire, treasurer, and John Roebel, Ferd Kayser and Ray Renfrew, vice-presidents.

G-E SQUARES ENTERTAIN

Friday evening, December 14, the G-E Squares entertained at the I. O. O. F. Hall. This dance was the second of a series to be given throughout the winter months and was a great improvement over the first one. Arrangements were made by P. A. Vance and his committee consisting of H. G. Hoglund, Eric Smith and A. A. Ralston. They merit our sincere appreciation and we are taking this means of publicly thanking them. We were honored by having Mr. and Mrs. E. A. Barnes as chaperons. Paul Spiegel's orchestra furnished music which could not be resisted. Informality was the theme of the evening and this was well started by a circle dance which H. H. Whitney led.

The feature of the evening was a vaudeville dialogue by A. A. Ralston and H. H. Whitney, which was given after the fourth dance. The jokes went over big and the whole thing was featured with a professional effect.

The regular business meeting was held December 11, with E. H. Howell presiding. Routine business only was handled and there was an early adjournment.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
R. F. Smith _____ Safety
Wade Reed _____ (G-E A. A.) Athletics
Dorothy Hormel _____ Girls' Department
G. R. Gawehn _____ Illustrations
Verena Miller _____ Decatur Works

REPORTORIAL STAFF

P. A. Shober _____ Electro-Technic Club
LaVera Vail _____ Elex Club
Glenn Cox _____ Apprentice Association
Russell Haruff _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
Perry Shober _____ Band
J. E. Hall _____ Quarter Century Club
K. Szink _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
G. J. Doss _____ G-E Squares
Josephine Zimmerman _____ Absent Employees

Vol. 8 JANUARY, 1924 No. 1

All contributions offered for publication in either the Works News or the city papers must be signed by the sender. If the contributor's name does not occur in the Works telephone directory, the foreman's telephone number should be given. It may be necessary to call the contributor for additional information.

NOTICE

Our watchmen who direct the traffic on Broadway at the noon and evening closing hours request that both pedestrians and drivers of machines give careful attention to their signals. The watchmen are there to help people get safely and quickly through the throng, but are dependent on the closest co-operation of all concerned. At the evening closing hour, when darkness, auto headlights and horns add to the confusion, pay especial attention to the signal of our watchmen's red and green lanterns, so that everyone may soon be safely on his way home.

KEEPING FIT

As announced earlier in the year, a "Keeping Fit" banner will be awarded to the major department having the highest standing for the year 1923. The banner is very attractive and is shown herewith. The name of the department winning the contest will be placed on the banner.

The meter department has a strong lead at this time (December 15) and



their chance of winning is very favorable.

A contest will be conducted in 1924 similar to those of previous years. New classifications will be given in order to keep all departments on an equal basis.

GROUP LIFE INSURANCE

Deaths Reported in November, 1923

Employee	Died	Beneficiary
<i>Schenectady</i>		
Robert D. Morrison	Nov. 2	Wife
Menai Roberts	Nov. 4	Father
Toby C. Kalteux	Nov. 19	Mother
Anthony B. Quackenbush	Nov. 20	Wife
<i>River Works</i>		
Justin E. Smith	Nov. 2	Wife
<i>West Lynn Works</i>		
Mark L. Polhemus	Nov. 12	Wife
James Donoghue	Nov. 18	Mother
<i>Fort Wayne</i>		
Alex Schlatter	Nov. 5	Wife
<i>Philadelphia</i>		
Louis Bartholmew	Nov. 10	Father
<i>Maspeth</i>		
Edward Rempel	Nov. 18	Wife
Total for November—10 deaths		\$13,250

DO YOU KNOW

That one house in every 140 in the United States is visited by fire each year?

That the insured loss in the United States is almost \$1,000 per minute?

That 15,000 people (mostly women and children) lose their lives due to fire annually?

That the fire loss is increasing each year?

That most of this is due to carelessness?

CITIES SERVICE CO. OPERATES A GREAT UTILITY CHAIN

Corporation Controls Varied Types of Industries.

(This is the third of a series of articles dealing with public utilities—customers of the General Electric Company—in which the G-E Employees' Securities Corporation has invested part of the savings of those G-E employees who hold its bonds.—EDITOR.)

From the "wilds of the woolly west" to the most densely populated sections of the east stretches the chain of public utilities and oil properties which comprise Cities Service Company, in whose preferred stock and bonds the G-E Employees' Securities Corporation has invested.

More than 100 in number, the subsidiary companies of Cities Service Company truly bear out the parent company's claim of "Serving a Nation." Not only electricity and gas, both natural and artificial, supplied to an ever increasing number of communities, but oil is produced, refined, loaded on tank ships and cars, and marketed by the company.

In the operation of these enterprises enough people are interested to make up a good sized city, for Cities Service Company has more than 100,000 stockholders, many of whom are also customers of the company, in addition to its many employees.

Henry L. Doherty & Company are the fiscal agents and operating managers of Cities Service Company. The concern's success has, to a large extent, been the result of the inspiration afforded by Mr. Doherty. Basing his business policies on the belief that "service is the bedrock upon which the public utility industry is bottomed," Mr. Doherty has built up, from a modest beginning, the concern which, bearing his name, operates Cities Service Company.

It was some twenty-three years ago, in 1900, that Mr. Doherty took charge of the Denver Gas and Electric Company. This company formed the setting for his early activities in the field of public utilities and it was the success which greeted his work in Denver which led to the acquisition of further utility properties.

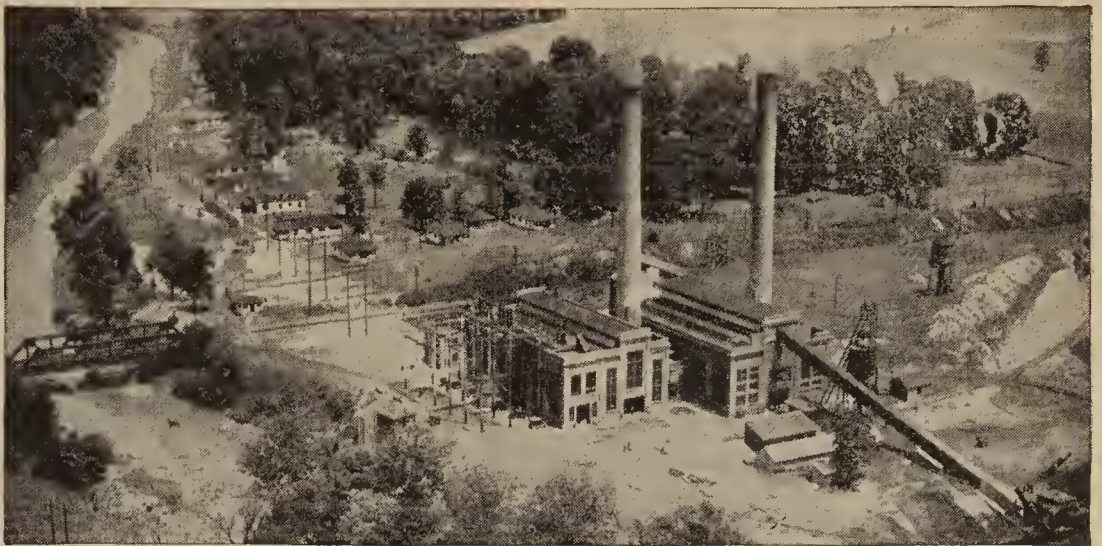
Five years after Mr. Doherty had taken over the management of the Denver company he formed the firm of Henry L. Doherty & Company for the purpose of developing and financing public service companies showing promise of future growth. Then, in 1910, Cities Service Company was organized as a holding company for the Doherty enterprises.

The Cities Service organization began as a handful of men and has developed to the place where its members number thousands, including managers, explorers, engineers, geologists, specialists in electricity, gas and oil, and experts in organization work. Since its inception Mr. Doherty has devoted

himself to the development of Cities Service Company. He has realized the necessity for trained men in his organization and through special Doherty training, men have been developed to adequately fill the positions which they now hold.

The scope of the business carried on by Cities Service Company can be realized to some extent when one knows that the public utility division alone operates sixty properties in twenty states in the Union, rendering its services to hundreds of cities and towns. These services include the supplying of electricity, gas, street railway service, central station heat, and ice.

The oil division of the company is active in twenty-one states. It oper-



AERIAL VIEW OF THE MELCO PLANT OF THE MANSFIELD DIVISION OF THE OHIO PUBLIC SERVICE COMPANY



HENRY L. DOHERTY

ates many miles of both oil and gas pipe lines. Eight refineries are maintained by the division. These are located in the heart of the Pennsylvania, Texas, Oklahoma and Kansas oil fields. Its products are shipped by oil tank steamers, barges, tank cars and automobile trucks. Its business is not

Interesting Facts Concerning Cities Service Company

- 100 subsidiary companies operated.
- 60 properties in 20 states operated by public utilities division.
- 225 cities and towns supplied with electricity.
- 600 communities served with gas.
- 90,000,000 passengers carried yearly on concern's street railways.
- 850,000,000 kilowatt hours of electrical energy sold yearly.
- 1,450,000 population supplied with electricity.
- 38,500,000,000 cubic feet of natural gas sold annually.
- 6,000,000,000 cubic feet of manufactured gas sold annually.
- Oil producing, storing and distributing properties operated.

confined to this country, for it operates branches in Canada, Mexico and Europe, and has marketing agencies as far away as Australia, South America and the Far East.

Among the properties operated by the public utilities division of the company are the Denver Gas and Electric Company, the Toledo Edison Company, the Empire District Electric Company, and the Ohio Public Service Company.

The Denver Gas and Electric Company supplies, without competition, electric light, power, manufactured gas and central station heating service to the city of Denver, Colo. It also sells electric energy wholesale for distribution in numerous outlying suburbs.

Practically the entire electric light and power business of the city of Toledo, Ohio, is done by the Toledo Edison Company. It also supplies much of the light and power for surrounding suburbs and sells power at wholesale to other public utilities outside of Toledo. The company also does an extensive manufactured gas business and supplies hot water heat to a large portion of Toledo's residential district. It furnishes all the power for the city's street railways.

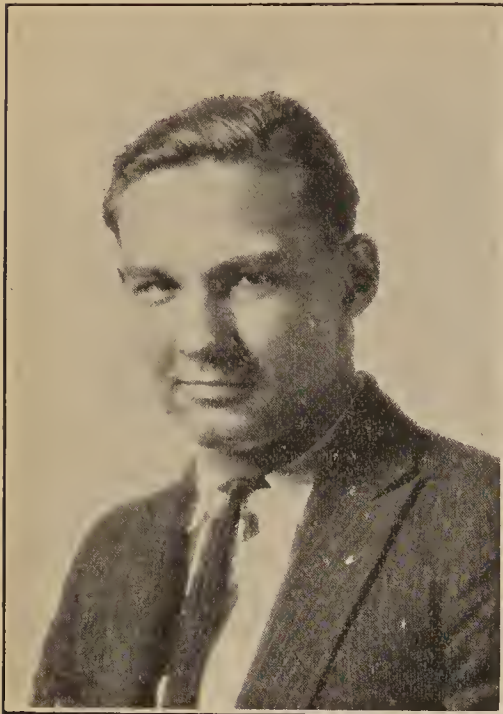
With headquarters at Joplin, Mo., the Empire District Electric Company serves a district comprising more than 1,000 square miles, covering southwest Missouri, southeast Kansas and northeast Oklahoma. This company operates five electric generating stations.

Thirty-three cities and towns are served by the Ohio Public Service Company, which operates in one of the most steadily growing industrial districts in the state. Among the towns which the company serves are Lorain, Elyria, Mansfield, Alliance, Massillon, Ashland and Warren. Both electricity and gas are furnished by this concern.

Cities Service Company's table of earnings for the year ending May 31, 1923, shows net earning in excess of \$15,000,000, out of which dividends on preferred stock were earned 2.65 times and an average of \$17.50 was earned on each share of common stock outstanding.

SERVING A NATION





WALTER KONOW



ANTHONY HATTENDORF



JOHN CRAIG

FOUR NEW GRADUATES FROM G-E APPRENTICE SCHOOL

During the latter part of November and the month of December four additional graduates were produced by our G-E Apprentice School.

On November 24th Walter Konow completed the four-year machinist and toolmaker course and was awarded a diploma and the \$100 bonus for satisfactorily completing the course. Mr. Konow was given three months' credit on the course for the exceptionally good work which he did. He previously attended the Emmaus Lutheran School, and on leaving this school came to the General Electric Company in the capacity as messenger. While in our employ he attended the G-E night school, and later took up the regular apprentice course. He has been active in all social and athletic affairs of the Apprentice Association and has held various offices in that organization. Mr. Konow is now working in the toolmaking department, Building 26-5.

On December 3rd Anthony Hattendorf finished the four-year machinist and toolmaker course. He had received three months' credit for doing good work and on graduation was awarded a diploma and the \$100 bonus. Mr. Hattendorf previously attended the Zion Lutheran School and International Business College. Before taking up the apprentice course he was employed in our small motor raw material section. He is now working in the toolmaking department under F. R. Hoffman.

John Craig finished his four years in the machinist and toolmaker course December 15th, having received a three months' credit on the course for doing good work in both class and shop, and



LAUREN LARE

was awarded a diploma and \$100 bonus. Mr. Craig was originally a resident of Bicknell, Indiana, but he received all of his schooling here in our city of Fort Wayne. For a time he worked in the screw machine department, Building 4-3, and during such time attended two terms of G-E Night School. His work in the night school encouraged him to take up the apprentice work, which he has just recently so successfully completed. Mr. Craig has been an officer in the Apprentice Association, and has taken an active interest in the various social affairs of the club. He is now working in the special machine department, under Mr. E. J. Schafenacker.

Lauren Lare, who was granted his diploma from the plumber apprenticeship course on December 8th, is the first graduate from this course at our Fort Wayne Works. Before coming to this company Mr. Lare served two and one-half years on his plumber apprenticeship at the Pennsylvania Shops. This practical training was credited to him when he undertook the work of our four-year plumber apprentice course, and made it possible for him to complete his work in one and one-half years. As additional preparation for his apprentice work here, Mr. Lare had taken one year at the Fort Wayne Central High School, two seasons of vocational night school and a correspondence course in drafting. He is now following his trade as plumber under Foreman H. W. Stahlhut in Building 19-B.

QUARTER CENTURY CLUB MEMBER ENJOYS LIFE IN LOS ANGELES

December 11, 1923.

Mr. W. J. Hockett,
Industrial Service Department,
General Electric Company,
Fort Wayne, Indiana.

Dear Sir:

Your letter of May 5th, 1923, was received in due time and as you are not close enough you could not wring my ears good and hard. Upon receiving your letter dated November 30th you could have floored me with a feather. I will admit that it is an ugly habit with me to be negligent in letter writing. Please forgive and forget.

Mrs. Elliott and myself are in good health considering our age. We are most of the time up the San Fernando Valley, seventeen miles from the heart

of Los Angeles, but still within the corporation limits. We have a California ranch of five acres with up-to-date cottage bungalow. In 1919 we set out orange, lemon, peach and other fruit trees, which are now all bearing fruit, much more than for our own use. Oranges are not so good up here 1,000 feet above the ocean, but we enjoy them. Our house faces the Verdugo and Sierra Madre mountains. We have a fine view of the snow covered peaks. While we busy ourselves working around the lawn and flowers, it looks odd to see snow.

Bus lines, electric railroads, etc., are numerous, but as they travel by set time cards that do not suit us, we bought a Ford touring, all new and up-to-date, and we go when we are ready and come home at our own sweet will. At my age to get a license to drive a car, you take an examination and if you pass you get a license. I went through first class and am spoken of as a safe driver. It is some trick to handle a car here, as most everyone has one and those with no cars are usually crowding the streets and getting run over. This is a dizzy city of 1,000,000.

As to my mutual benefit, will say that I was one of the charter members. A few of us got together to head off the habit of passing the hat at the death of shop mates, as we found that much that went in the hat did not reach the proper place, so we fixed up some by-laws. I have the late by-laws dated August, 1918.

All is strange to those from the eastern states and takes some time to get settled to trees, plants, buildings and the great mixture of inhabitants from all quarters of the earth.

Give my regards to the Quarter Century Club members. I think of the factory often and I see passing, something like a moving picture, the different departments while I give them the old salute.

As to getting the shop paper, will say that I have received but one copy. I would like to get it and if there are any charges I will remit. Also the book sent out once a year from Schenectady, New York, that gives the names of all the Quarter Century members. I was informed that all the members would receive one copy. Will you please trace this up and find out the cause of me not getting a copy? Many thanks for taking this matter up.

You spoke of pictures. We have no good ones now, but am getting some finished and will send you one if you desire.

I must close now as Mrs. Elliott is all ready for me to drive over to Pasadena.

Yours respectfully,

S. B. ELLIOTT,

500 Indiana Street,
Los Angeles, Calif.

Don't neglect your roof or chimney.
Don't put hot ashes in wooden containers or against wooden partitions.
Use metal containers.

ELECTRO-TECHNIC CLUB

The Electro-Technic Club omitted the month of December from its schedule of entertainments as they believed the holiday season in itself carried sufficient joys and attractions. Accordingly, the club's events are saved for a later period when the reactions of the holiday season have come and entertaining events are scarce. As previously announced the next affair will be a stag party to be held some time in January (watch the bulletin boards), at which it is expected to see all E. T. C. members.

Chairman Baade, of the entertainment committee, has assured us an entertainment de luxe with vaudeville from local theatres and Chicago, together with several other special features. Don't miss it.

APPRENTICE ALUMNI ASSOCIATION

The last event for the year on the Alumni calendar came off in fine style. It was a stag party in Building 16-2 on Wednesday evening, November 21st. Cards, hot dogs, coffee, cider, apples and radio concerts prevailed. The radio concerts were indulged in by those who did not play at ye ancient American indoor sport.

November was quite an eventful month for some of the members of the association. Wayne Brunette became the proud father of a baby girl and E. G. Stock the very proud father of a baby boy.

On Monday evening, December 3rd, the nominating committee met in Building 16-2 for the purpose of nominating officers for 1924. The results of the nominations were as follows: For president and vice-president, Joe Miles, Karl Geller, E. Horning and Herbert Siebold; for secretary-treasurer, Clarence Brenner, Henry Klingenberg and Lester Stauch; for board of directors, George Friess, C. W. Hale, W. Greiner, E. Kammer, W. Brunette, Don Smith and Ed Knocke. The results of the election, which is held by letter ballot, will be announced at the Alumni meeting January 15th, 1924.

The Alumni nominating committee wishes to thank the Apprentice Association for the cordial invitation to attend the apprentice meeting, which was in session when the Alumni nominating committee meeting adjourned. The invitation was accepted and the Alumni were certainly treated fine. If anyone wishes to know how oyster stew tastes they can get reliable information from Ed Ehrman. The apprentices were amazed at his capacity.

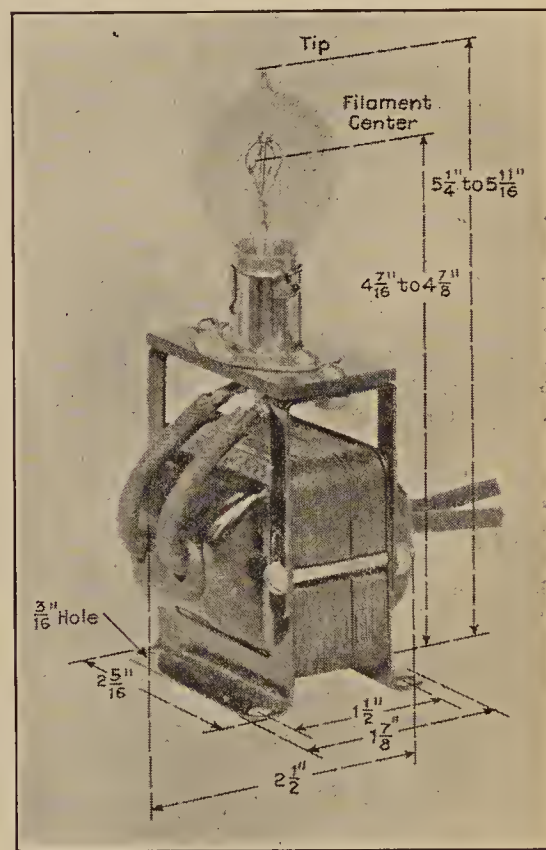
Robert Moyer, who left our midst several months ago for sunny California, had a severe case of heart trouble while in California, so he immediately packed up and came back here and was

cured. Yes, he got married. Congratulations, Bob!

At the beginning of this new year the Fort Wayne Apprentice Alumni wish to extend to all G-E folks, wherever they may be, best wishes for a happy and prosperous New Year.

G-E BAND

The G-E Band has just closed its fiscal year with a record as the best season, both financially and socially, in its career. It has enjoyed the heartiest cooperation of all Works clubs and the unwavering loyalty of all employees of the plant. To this friendly and helpful attitude the Band credits in a large measure their success, not only as a factory organization, but as a professional organization. The Band wishes to take this opportunity to thank collectively and individually all other Works' clubs and all employees of this Works, and wish for them the best things possible in the year just ahead.



SWITCH AND SIGNAL LIGHT TRANSFORMER

TRANSFORMERS FOR LIGHTING RAILWAY SIGNAL LAMPS

Until recently the engineers responsible for the maintenance of lights on switches and various signal devices on our railways have been afraid to trust to electrical means for illuminating these lamps. Consequently most of the railway lamps in the country have been lighted by oil. Just recently, however, these engineers have come to the realization that electric service can be maintained with complete reliability, that it

is possible to light switch lamps and signal lamps electrically with no more fear of their being out of commission than when oil lamps are used.

One quite important step in making the electrical lamp reliable is the use of a low voltage lamp, because in the low voltage lamp the filament is larger than when higher voltage is used, consequently less liable to breakage. The lamps are usually mounted on the ends of railway ties, where they are subject to all sorts of jars and jolts and vibrations from the heavy trains passing over the ties. This feature of larger filament in the lamp, therefore, becomes very important.

In order to use a low voltage lamp it is necessary to step down the voltage of the supply circuit, which is usually 110, to the value to be used on the lamp. For this purpose a transformer is provided and a picture of it is shown herewith so that readers may recognize it as one of the new things this factory is undertaking.

The transformer, too, of course has to be strong and not easily damaged as shown in the picture. It is made of the same parts as used for our bell ringing transformers, and arrangement is made for mounting the lamp directly above the top of the transformer. The height of the lamp above the transformer is adjustable so that the filament center can be focused properly in the center of the lens. There is also a slight adjustment horizontally secured by having the holes in the bakelite mounting drilled oversize. This transformer with a lamp in place can be mounted in the base of one of the old oil lanterns with very little effort and cost. The transformer is treated with moisture proof compound so that the dampness which naturally gets inside of these lanterns will not injure it.

The lamp used is a standard 10-volt lamp and because its location on the transformer is adjustable it does not have to have special accuracy of filament location.

The manufacturing of these transformers has just been started in Building 26. A few hundred are being made up for stock and some shipments are being made to actual users. Our company will sell most of them to the manufacturers of switch lanterns, but in some cases direct to the railroads, who will install them themselves in the old lanterns. One of our first orders is from the Canadian National Railways.

IN THE FACTORY

Do away with rubbish, accumulations of rags, paper and combustible materials about your work place.

Do a little more than your share to keep stairways, corners, spaces back of radiators and other places free from rubbish.

Do your smoking outside the plant, except you may smoke at noon in the blacksmith shop, foundry, annealing department, and card room, Bldg. 18-B.

THE METER DEPARTMENT

A Decentralized Department—Handles a Variety of Products.

To those who do not come in business contact with the meter department, its name may be misleading.

It might appear that this department was engaged only in the manufacture of watthour meters, but in addition to the meters turned out in large numbers weekly many other lines are manufactured.

The major line includes a very complete line of demand meters of which C. I. Hall is the designing engineer.

In addition to the watthour and demand meters is a line of induction relays made for the switchboard department, a line of thermal relays, timers and thermostats for the industrial control department, elapsed time switches for the Edison Electric Appliance Company, thermometers for the transformer department, etc.

This department, one of the oldest at this Works, was at one time under the direction of Mr. Thomas Duncan, now at the head of the Duncan Electric and Manufacturing Company, Lafayette, Indiana. He was superseded by E. J. King, the designer of the line of type K meters, manufactured so successfully for so many years. On the death of Mr. King, Mr. Morganthaler became engineer of the department and when it was made a decentralized department he was given the title of managing engineer.

For the efficient handling of the work of the decentralized department it is divided into sections, each with its respective head. The various sections, or departments as they are known, into which the supervisory or directional work of the meter department is divided are the engineering, drafting, production and manufacturing, cost and inspection departments. The picture on page 13 with its diagrammatic arrangement indicates how the various sections function. At the head of the picture is shown the managing engineer, Mr. P. C. Morganthaler, with his staff of section or department heads, together with the entire personnel of the meter engineering department. In addition to his duties as head of the meter department Mr. Morganthaler is acting as manager of the fractional horsepower motor manufacturing department.

A. M. Snodgrass is at the head of the combined production and manufacturing section. All matters pertaining to manufacture and production are handled by this department.

J. H. Breidenstein is at the head of the cost section.

W. R. Danford is in charge of the drafting work of the department.

N. G. Bucher as chief inspector is at the head of a large inspection department through whose hands pass all manufactured articles before shipment.

No attempt is made at this time to go into detail regarding the personnel of all of the departments or their duties. Some have already been covered by previous articles and others may be in later issues. Since the entire engineering force is shown in the picture it deserves a little more attention.

The writer (J. L. Birely) at the head of this department has charge of all engineering work and in addition has personal charge of the engineering work on the watthour meter line.

To R. A. Rippe is referred all questions of mechanical design, tools, etc.

E. L. Wood handles all requisition work, issues manufacturing instructions to the factory and conducts all correspondence with all sales offices relating to requisitions.

J. A. Laubenstein has engineering control of the manufacture of the line of demand meters, in which is included clocks, contacts, etc. He also supervises the manufacture of the elapsed time switch, made for the Edison Electric Appliance Company for use on electric ranges.

M. J. Payton, in charge of work on induction and thermal relays, timers and thermostats, came into the department soon after this work was undertaken in this department, hence can be said to have grown up with his work.

C. H. Ridgeley, a 1923 graduate in electrical engineering of Purdue, is a new man in the department, at the present time acting as assistant to Mr. Payton in handling the work on relays.

F. B. Owen is the engineering head of the standardizing laboratory. Due to the nature of his work he is of material assistance to the other engineers.

Miss Christine Grosswege is secretary and stenographer to Mr. Morganthaler and has charge of the filing system.

Miss Alma Witte is stenographer to Mr. Wood.

Mrs. Cleo (Wilson) Orr is stenographer to Messrs. Bireley, Payton and Ridgeley.

Miss Dorothy Adamske is stenographer to Messrs. Laubenstein and Rippe and takes care of the filing of tool records for the latter.

Mrs. Marie (Bixler) Moore is stenographer to Mr. Bucher and extra stenographer to the department.

The meter department as a whole is interested in all Works activities, supporting a very creditable bowling league in which the office force is well represented, the managing engineer being a member of one of the leading teams this season. Also three of the men in the picture are members of the Quarter Century Club, namely, P. C. Morganthaler, J. L. Bireley and N. G. Bucher.

Don't hesitate to turn in alarm if there is a fire.

Don't wash your hands in gasoline and then bring them near a fire or spark (several have been badly burned in this way).



P.C. MORGENTHAER
MANAGING ENGINEER



MISS C. GROSSWEGE
SECY.



A.M. SNODGRASS
SUPT. PRODUCTION



J.H. BREIDENSTEIN
HEAD METER
COST SECTION



J.L. BIRELEY
ASST. TO MAN'G. ENG.
IN CHARGE OF ENG.
WATT-HOUR METERS
THERMOMETERS
PHOTOGRAPH MOTORS



W.R. DANFORD
HEAD DRAFTSMAN



D.G. BUCHER
CHIEF INSPECTOR



R.A. RIPPE
MECH. ENGINEER



J.A. LAUBENSTEIN
DEMAND METERS
CLOCKS CONTACTS
EL. TIME SWITCH



E.L. WOOD
REQUISITIONS



F.B. OWEN
ENGINEER
STANDARDIZING
LABORATORY



M. J. PAYTON
INDUCTION RELAYS
THERMAL RELAYS
THERMOSTATS
TIMERS



C.H. RIDGELEY
ASST. TO ENG.
ON RELAYS, ETC.



MISS D. ADAMSKI
STENOGRAPHER



MRS. M. BIXLER-MOORE
STENOGRAPHER



MISS A. WITTE
STENOGRAPHER



MRS. C. WILSON-ORR
STENOGRAPHER

METER ENGINEERING DEPT. AND SECTION HEADS



Annual Christmas Exchange

The office girls held their Christmas exchange December 11th at the home of Arvilla Hendericks in Marshall Street. Miss Henderick's home was prettily decorated in holiday colors.

When the girls arrived each one was given the end of a long string which was wound around one piece of furniture after another. The girls were then informed that after supper each one must trace her string until she found the end and the present at the end.

Then each girl drew a number which corresponded with her place card number. A potluck supper followed which consisted of fried chicken, baked beans, potato salad, pickles, olives, rolls, jello and whipped cream. The girls enjoyed the supper to their full capacity.

After supper came a merry chase as each girl with cord in hand went from place to place until she finally found her gift. Mrs. Zelma Roop found a cut glass candy jar; Mrs. Melvena Eady, a pie plate with stand and a small skillet; Vera Eady, two cut glass dishes; Verena Miller, a cut glass olive dish; Billy Hendericks, a hand-painted mayonnaise set, and Martha Charles, a hand-painted plate.

Bunco was played later in the evening, and prizes were awarded Zelma Roop and Martha Charles.

Dora Hendericks and son Paul were the honor guests.

Thanksgiving Dance

The Thanksgiving dance given on November 28th by the General Electric Company under the auspices of the Gecode Club was a great success.

At 9 o'clock the Syncopater Orchestra opened a realm of music that provided a good time for about one hundred couples.

It seemed that the crowd had no more than gotten started to have a good time when announcement was made that the fifteen-pound turkey would be raffled off. Two tickets were drawn before No. 581, the lucky third, was called. Mr. Amos Yoder, an employee of the assembly department of the Decatur Works, held the lucky ticket. He admitted afterward that it hadn't occurred to him that he might hold the only ticket against his 600 odds. Whether Frank Braun will keep his word which he gave the previous afternoon while joking with Mr. Yoder, that he would keep corn in stock for the turkey's "grub" in case Mr. Yoder should win, only Mr. Yoder knows.

Gecode Christmas Exchange and Supper

The Gecode Club members held a Christmas supper and exchange of gifts at the Philadelphia Confectionery December 19th. Every club member was invited and told to bring her exchange gift. The supper, which was prepared by the people of the confectionery establishment, was very good indeed. The gift exchange followed the supper.

Decatur Athletics

Basket Ball

G-E Girls, 16; Fort Wayne Hoosier Paint, 24

The G-E girls' basket ball team went down to defeat at the hands of the Hoosier Paint Girls of Fort Wayne by the score of 24 to 16. At the end of the first half the score stood 10 to 4 in favor of the visitors. Melvena Eady led the G-E team in scoring. Boys' rules were played throughout the game.

Bowling

Two girls' bowling teams have been organized at the Decatur plant, known as the Speedy Five and the Star Strikers. These two teams met in a match game, the former winning both games.

Personals

Zelda Jackson was confined to her home on Indiana Street recently due to illness.

Mr. Richard Miller has been off duty two weeks on account of illness.

Our New Year's Resolution

The old year being now a thing of the past, we must resolve to the utmost of our ability to better our habits and ways, thus making the coming year one of success.

Why not hold our tongues and talk less about our neighbors' faults? Encourage him to do right who has done wrong, and do not misjudge him to such an extent that his character will be blackened. Always remember that what happened to him may likewise happen to us.

Let us work in harmony with our fellow men and leaders. We will then see surprising results. No piece of machinery can run without lubrication; neither can we advance without the lubrication which is the harmonious and intelligent acceptance of the advice of our foremen when we are in need of advice. Therefore, let us heed our foremen's corrections, if they are just, and sneer not at him behind his back.

When you have gone so far as to have an understanding knowledge of your environment, why not lend a hand to the other fellow? It is then that your extended hand is appreciated most, and it is then that you will receive double the kindness and good will of your fellow employees.

—By Verena Miller.

Pull Together

Don't buck your leaders
When they try to do their best.
If you think you have done your share,
Just help to lift some one else's care.
If you are a foreman or a department head,
That's another reason why your blood should run red.
You really don't know how much good you can do until you try;
So let's all get together and see things go over high.

—By Martha Charles.

A Happy New Year and Best Wishes for success to each and every one of you.

—Editress of Decatur Works' News.

Girls Department



Building No. 4-4 Girls Celebrate Christmas

Seventeen girls from Building 4-4 gave a six o'clock chicken dinner December 18th. Isabelle Brown, accompanied by Marjorie Whiteraft, sang a number of selections. At the end of the dinner the girls exchanged Christmas gifts, after which everybody danced.

Girls From Building No. 19-2 Recognize Christmas

Thirteen office girls from the transformer engineering, draft, cost and production sections in Building 19-2 enjoyed a 6 o'clock chicken dinner in Building 16-2 on December 19. The girls had a wonderful time exchanging gifts. The girls then followed the gift exchange up with a whirl of bunco, music, dancing and fun the rest of the evening.

Elex Club

Get a wiggle on, get a wiggle on,
Don't stand there with a giggle on,
Get a wiggle on, get a wiggle on,
And come along with us;
For we are a jolly bunch,
A jolly bunch, a jolly bunch
Get a wiggle on, get a wiggle on,
And come along with us.

And we surely had a fine time at our Elex dance on November 27 in Building 16-2. Everybody was invited, and we had a dandy crowd of 125 to 150.

Kelly's Agitating Artists furnished some splendid music and it was hard not to "get a wiggle on," even though we felt we needed some rest.

Some delicious punch was made by Anna Stouder, who assisted also in the serving. The bowl seemed to be like the miraculous pitcher—inexhaustible.

The floor had been smoothed, and the girls decorated the room with yellow crepe paper, so that it was very pleasant.

Mr. and Mrs. Hockett were present, as well as the Y. W. industrial secretaries.

We finally had to leave about 11:15, but we didn't want to.

ALL YE WHO HAVE EYES TO SEE WITH, READ! ALL YE WHO HAVE EARS TO HEAR WITH, HARKEN TO THOSE WHO READ!

The Elex Club will put on a snappy play two nights during the fifth week in January. Much mystery is enshrouding this play, but judging from the hustling and bustling and happy smiles on the faces of the chairman of the play committee, Iren Meyers, and her committee members, it must be going to be a reg'lar affair. Dame Rumor has it that the committee which is now selecting the cast of ten people has a wealth of material to draw on. We do know that the play will be presented in Building 16-2, and—sh! anybody around?—the name of the play is going to be "Dust of the Earth." Yes, sir! "Dust of the Earth." Nice title, isn't it? There are great possibilities in a name like that, you know.

Be sure to come, everybody, because you'll like it and besides we'd hate to feel after the play was all over and done that anybody missed this great opportunity to improve himself, enjoy himself, and help us.

A Girl Who Studied the Job

From the great mass of women in the world come to us yearly artists, scientists, educators, welfare workers, doctors and nurses, lawyers, politicians, etc. Not the least of this number are the women who are absorbed into the industrial life of the nation. These women join these forces through many different causes among which desire, necessity, compulsion and ambition play an important part. But nevertheless they all make their mark. Some make their mark by merely creating a passing impression; others make it through natural talent, while still others make it through hard work and earnest study. Study may mean either studying with books, studying the job as you go along, or it may mean both. It is a girl who studied the job as she went along of whom we are going to tell you.

Deprived of many advantages through the early death of her father, a civil engineer, Miss Jennie Wright started to work when she was a girl in her early teens. She at first worked on coil insulating work. Here she was so successful that Mr. Rehner states she was the best girl he ever had on the work.

After a while Miss Wright was transferred to the laboratory of Mr. Tom Duncan, who was at that time the meter engineer. For a time she and Mr. Duncan did all the work in this special laboratory, but finally when it became necessary to enlarge the facilities of the laboratory and it was moved into a



MISS JENNIE WRIGHT

separate building, Miss Wright returned to the coil taping work in Mr. C. S. Rehner's department, where there was more opportunity for her peculiar ability as a leader. By this time it was apparent that in addition to a natural ability for quickly adapting herself to any kind of work she had that winning personality which is so necessary in the successful foreman or forelady. Accordingly, she was soon made forelady of the coil taping work. In this new work she was successful from the very first. She won the friendship of all the girls who worked under her direction and in return gave the best that was in herself.

One day Miss Wright was offered a position in Mr. Walburn's office. She took this position but did not remain long on the work because her health at that time would not stand the strain. She was, therefore, transferred to Mr. Carl Hatch's department, where she was put in charge of experimental winding. Here she continued to show the same intense interest and the same ability that had been characteristic of her work from the first. A transfer to desk work for Mr. Hatch did not permit her to exercise her talent for leadership and soon she was made forelady of the small coil winding department, which position she held until last August, when she was again given a position in Mr. Walburn's office.

Miss Wright's career is not one of those spectacular ones which so often experience just as spectacular a fall. Instead, it has been one of steady advancement. To the mastery of each job to which she has been assigned Miss Wright coupled her pleasing personality—a personality which at once puts you at ease and makes you her friend.

Miss Wright is now a member of the Quarter Century Club. She has re-

mained faithful to this company throughout these years of service and her success proves that it pays better to remain on one job until you have absorbed all the opportunity it offers than to drift from one job to another until the years have passed and your energy and ambition are spent.

Y. W. Notes

Following the custom of past years, the wreath hanging ceremony and lighting of the Yule-log took place at the Y. W. C. A. on December 17th. After the pageant of the birth of the Christ child had been presented by the high school girls, wreaths were hung by all Y. W. clubs. Dorothy Coles of Building 4-5 was chosen to hang the wreath for the Elex Club, and LaVera Vail of Building 18-3 hung that of the Blue Triangle Athletic Association. The program was very pleasing and beautiful, and the club rooms were filled to capacity with spectators.

The Y. W. C. A. gymnasium will hold open house on January 13, 14 and 15. Special programs are to be held each night, and we urge everyone to attend. Regular gym classes start January 21. The swimming pool will not be ready for two or three months yet, but please don't get discouraged. We can be glad that the gymnasium is ready for use. Everybody out! Get in from the very first.

The second term of Wednesday night classes began January 2. Here are some of those that will be offered: Arts and crafts, free; basketry, 75c; china painting, \$1.50; a charm class, free; and there are others in which you will be interested. Come and find out about them. We are having some dandy programs from 6:30 to 7:00, and the suppers are good, too. Come on, girls, you don't know what you are missing.

The Blue Triangle Athletic Association team which is playing in the Commercial League is the only team which so far has won every game. We thought you would be interested in it because several of our G-E girls are on this team. These games are played every Monday night and are very interesting because of the close competition. The teams taking part are Bowser, Hoosier Paint, Wayne Tank, Wolf & Dessauer, Lincoln Life and B. T. A. A. On January 7th the Blue Triangle team plays Bowser's at Library Hall in the third game. On January 14th it plays Lincoln Life. This latter game will be played in the Y. W. gym, and all the games after that may be played there also. Admission 25c. Come on out and root for us.

Engagements

Delores Bargerhuff of the payroll department, Building 18-2, is wearing a diamond ring. Mr. Edwin Orr seems to be the lucky man picked to row this craft of happiness.

Isabelle Ueber of the material list

department is the latest addition to our column of engagements. The man in the case is Jack Renner of Fred Smith's department. They'll make a nice couple, won't they?

Miscellaneous Notes

Helen Hoover of the payroll department, Building 18-2, has resigned her position and has taken employment with Dr. Stark, dentist.

Alice Stahl is a new employee in the accounting department.

Theresa Songer has taken a position in the distribution department as mimeograph operator.

Leota Boxell of the payroll distribution department is off duty on account of illness.

Ruth Swenson and Arline Kaeseberg, comptometer operators from Chicago, are here working on inventory.

Mrs. Ella McGaffey, chef in the restaurant, returned to work December 3rd after a three weeks' illness.

The following girls have joined the meter department's forces during the past month: Beulah Spicher, Mae Schillie, Cora Schultz, Ruth Carpenter, Genevieve Frazier, Ruth Sunday, Florence Sloan, Addie Miller, Dessie Vandolah, Helen Eifel, Ola Gladys Sponsler, Clara Sutorious, Thelma Erickson, Augusta Buzzarde, Charlotte Brubaker, Helen Greibel, Gertrude Eby, Mabel Porter, Cornelia Hirth, Viola Harkenrider, Avis Luce, Hilda Vergon, Cora Smith, Mary Hummel, Katie Clouse, Violet Henry, Thelma Leech, Mildred Newcomb, Edith Paisley, Ruth Pressler, Ruby Scott, Cora Dornte, Pearl Prinszano, Alice Peipenbrink, Minnie James, Meta Borchert, Thelma Flaugh, Emma Kraft, Florence Mayer, Amanda Busieck, Marie Macke, Clementine Minnich, Mabel Cutter and Georgia Freiustein.

Elex Christmas Party

Santa Claus was a busy person on Friday, December 21. He not only attended many parties all over the plant, but also came to our Elex Kid Party Friday night. The girls came dressed as kids—Agnes Ness was the cutest little five-year-old imaginable, and so were Mary Ness and Dorothy Coles. Hilda Walda was all dressed up in her Sunday-go-to-meetin' white dress and blue sash, with her hair hanging in curls, just as cute as could be. There was the prettiest Christmas tree, and Building 16-2 was illuminated with red and green lights.

Lillian Steup and Miss Scott early began directing games. Even our guests caught the spirit of the evening and joined in playing charades, Jerusalem and Jericho, and other games. The most amusing was the peanut hunt. Placed in groups, the girls chose some barnyard animal to imitate. Then they were dispatched to hunt peanuts. Each girl had to stand by her find and howl, or cackle, or "moo," or bark, or

"baa," until her captain came and got the peanuts. The highest number found by one group was 133, and the lowest, 27.

Suddenly we heard the cry of "Santa Claus is coming," and all rushed for ringside seats. He came in with a big sack over his shoulder. Opening it he found toys for everybody, which he passed out, calling each person to the front to receive his or hers, and requesting some little stunt from each. However, no one seemed to be able to sing, only a couple could dance, a few could speak pieces, and one girl—or rather, boy—could stand on her head. Mrs. Barnes couldn't even hear—she was stone deaf.

Mr. Barnes told us a story of his trip to Tennessee last summer. He bet a certain negro a dollar that he couldn't eat a watermelon which happened to be lying on the station platform. "Will you-all pay for that watermelon if I eat it?" asked the negro. "Certainly," replied Mr. Barnes. "All right, I'll do it; but first can I go away for five minutes?" "Well, I suppose you can, if you are not going to run away." "Oh, no, sah," and off he sped. In a few minutes he returned, and taking out his razor he made short work of the watermelon, clear down to the rind. "Well," said Mr. Barnes, "I guess you win. Here's your dollar. But, wait a minute, what did you do that five minutes you were gone?" "Well, sah," was the reply, "I had a little larger watermelon at home, and I knew that if I could eat that one, then I would be able to eat this one, so I went home to make sure." (Exit Mr. Barnes.)

Then Santa brought out another sack, this time filled with sacks of candy; then a box filled with popcorn balls; and again a sack filled with bags of peanuts. All these he passed out, and the "kiddies" felt that Santa was a pretty nice man. (We have Butch Vegalus to thank for taking the part of Santa.)

Our guests, Mr. and Mrs. Barnes, Mr. and Mrs. Hockett, Mr. and Mrs. Dur-ye, and Mr. and Mrs. Steup, declared that they had greatly enjoyed the fun, so we feel sure the girls had a good time. Altogether, over fifty attended the party.

ATHLETICS

G-E A. A

Review of 1923

That the G-E A. A. has been well represented in the field of sport during the year just passed is evident by the number of championships which have been won by the wearers of the green and white.

The basket ball season ended with the G-E and Wayne Knit teams tied

for the league championship. The G-E five defeated the Knitters in two games, gaining possession of the Beebe trophy. The amateur team also won the Y. M. C. A. league championship in a post-season series with Tokheim. Section 2 from Building 26 won the inter-sectional basket ball championship.

The Fire Department, winners of the first half of the G-E A. A. Bowling League, defeated the Small Motor team, winners of the second half, in a three game series for the championship. The Elements won the championship of the Induction Meter Bowling League, completing a ninety game schedule for the honors. The Rubies won the honors in the Girls' Bowling League.

The double team of Ames and Blakeley threw enough horseshoes around the peg to win the championship of the Horseshoe League.

The No. 1 team of the Water Polo League fostered by the Y. M. C. A. won more honors for the G-E A. A. by copping the championship in the aquatic sport.

The G-E A. A. nine won the championship in the City Industrial Semi-Pro League, nosing out the Western Gas club, the G-E's traditional rivals. It was a great season for the green and white on the diamond, this club being probably the greatest which has ever represented the works. The amateur club in the Y. M. C. A. league finished in third place. The Main Office team won the championship in the Inter-sectional Twilight League. The G-E Girls won the championship of the Blue Triangle League after finishing in a tie with Dudlo in the regular league schedule. The girls' team from Buildings 6 and 4 won first place in the Girls' Inter-sectional Twilight League, gaining possession of the S. L. Whitestone trophy. The boys' team in the Junior Industrial Baseball League finished in third place.

In inter-industrial competition, the General Electric representatives can boast of five championships for the year. While these honors are not to be taken lightly, they are secondary to the good fellowship and spirit which are the results of these contests.

Y. M. C. A. Industrial Basket Ball League

After winning their first three starts in the Y. M. C. A. Industrial League the G-E five dropped their first game of the season to the Bowser quintet by the score of 20 to 14. This victory put Bowser's on the top of the heap, with the G-E team tie with Dudlo for second place. The green and white had things pretty easy until they struck the tankmen, scoring 111 points to their opponents' 22. The Hamilton brothers together with Hueber have been taking care of the scoring for the G-E squad, while Florence, Groves and Lindemuth have been on the defensive. The stand-



G-E BOWLING TEAM IN 1911

Standing: Ray Doyle, William Franke, Carl Borchert, Fred Rapp and Henry Bartles. Sitting: Paul Grimme, George Harkenrider, William Dreibelbiss and Charles Schields.

ing of the league December 20th was as follows:

	W.	L.	Pct.
Bowser	4	0	1.000
General Electric	3	1	.750
Dudlo	3	1	.750
Wayne Knit	2	2	.500
Wayne Tank	2	2	.500
Horton	1	3	.250
Corrugated	0	4	.000
Pennsylvania	0	4	.000

Intersectional Basket Ball

A slight delay has necessitated the moving forward of the start of the Intersectional Basket Ball League to January 7th. Games will start on that night and each Monday thereafter until the finish of the schedule. The games will be played at the Central High School gymnasium. A complete schedule will be published later. The league will comprise six teams from the following sections:

Section 1—Those buildings west of Broadway and south of Wall Street.

Section 2—Those buildings west of Broadway and north of Wall Street.

Section 3—Student engineers.

Section 4—Building 4.

Section 5—Buildings, 16, 17 and 18.

Section 6—Building 6 and buildings not included above.

Meter Department Bowling League

The Registers are still in the lead in the Meter Department Bowling League, although several changes have taken

place on down the line. The Covers have nosed out the Terminals and Bases and rest in second place. The standing of the teams December 20th was as follows:

	W.	L.	Pct.	Ave.
Registers	26	13	.667	752
Covers	22	17	.564	741
Terminals	21	18	.538	730
Bases	20	19	.513	744
Elements	15	24	.385	727
Magnets	13	26	.333	722

Bushing is leading the bowlers with an average of 171 for thirty-six games. Snyder is in second place with 169 for thirty-nine games, and Hueber third with 168 for twenty-seven games. Reisdorf's 253 is still high for individual scores. The Registers have high team score with 945 for a single game, and the Bases have 2474 for three games.

Industrial Water Polo

The Wayne Knits lead at the end of the first round of play in the Industrial Water Polo League, winning all three games. The G-E squad won two and lost one for second place. Bowser won one and lost two, while the Dudlo paddlers lost all three of their contests. To start the second round of the schedule the G-E sextette won a thriller from the Wayne Knit squad by the score of 3 to 2. The Dudlo team forfeited to Bowser's in the second scheduled game.

The games are played each Wednesday evening in the Y. M. C. A. natatorium. No admission is charged and everyone is invited to attend. The season is divided into four rounds and a

three-game series will be arranged to determine the champions at the end of the season.

G-E Girls' Basket Ball League

The opening date of the Girls' Industrial Basket Ball League has been set for the middle of January. This delay has been caused by building operations on the new Y. W. C. A. gymnasium, which will be completed on or about that date. All scheduled games are to be played on this floor. The league will probably be made up of approximately the same teams as last year. The G-E team with practically the same personnel with several additions should make a very good showing. Coach Kammeyer has been giving the squad a workout on each Friday night at the Emmaus Hall and should have them in fine form for the start of the season.

Notes

The Bowser squad of the Industrial League has shown exceptional strength. Kreighbaum and Holwerda, formerly of the Purdue varsity, form the backbone of the team. The former has figured prominently in the scoring of the tank-men.

The personnel of the G-E A. A. representatives in the Industrial League is familiar to most basket ball followers of the association. The Hamilton brothers, Hueber, Lindemuth and Groves are from last year's squad, while Bushee, Rittenhouse and Florence are new men this year.

That the student engineers are becoming a solid organization is evidenced by the fact that they have entered a team in the Intersectional Basket Ball League.

Decatur has a good basket ball team this year. They have a strenuous schedule ahead of them and have been playing some of the best teams in this section. This team should make a better showing than last year's against the Fort Wayne five.

BOWLING TEAM IN 1911

Most of the faces in the picture of the bowling team taken twelve years ago are recognizable. Only two members of the team have left the employ of the company—Ray Doyle, who is now in California, and Henry Bartles, who is in sales work of electrical and mechanical mine supplies in Huntington, W. Va. This team was a member of the old shop league and while they won the championship, the Wayne Knit team gave them an awful tussle. Many of the followers of bowling will remember the prowess of this club.

Do your best to keep aisles clear and fire fighting apparatus and alarm boxes free from obstructions.

Don't store gasoline or kerosene in the house.

WALT MASON REVEALS THE SEAMY SIDE OF OPTIMISM

Grief and trouble exist, solemnly affirms Walt Mason, the Kansas prose poet. He admits that he has preached optimism for many years in his "patent germ-proof verses," but it seems that he has been doing so with a mental reservation. It is not so much optimism he regards pessimistically, however, as it is the overdoing of it. "In this country," declares Walt, "optimism has been overdone until it has become nauseating." The land is full of persons scattering sunshine, tho it is always to be remarked that they seldom do it gratis. "Few of the sunshine experts work for the love of the game," we are told. It seems that Walt's grouch against the perfervid sunshine purveyors dates from an experience he had with an author of numerous books on optimism, named S. Tillinghast Foxworthy. For many years Mason says he was a sincere admirer of this man, who was known far and wide as Sunshine Sam. Wherever trouble overtook anybody, there Mr. Foxworthy was on hand with his sunshine dope. Mason tells us that when a neighbor named Spry was frozen to death in a blizzard, Foxworthy hastened to his widow and assured her that the loved and lost one would suffer from cold no more. "And after the funeral," adds Walt, "Mrs. Spry got to thinking this over, and came to the conclusion that it implied unpleasant things, and she stepped up behind Mr. Foxworthy with a fence-board, and flattened the top of his head with it." But what really turned Mason against his idol, it seems, was an experience he had when he bought his first automobile. The somewhat fanciful tale is told in Hearst's Magazine (New York):

"The salesman gave me a few lessons in driving it, and then turned me loose to work out my own salvation. I was hitting up a pretty fair clip along a country road when I beheld a big elm-tree loafing around in the middle of the pike. There were a lot of levers and pedals and push-buttons in the car, and I should have manipulated some of them, no doubt; but I was panic-stricken, and the only thing I could think of doing was to toot the horn. This I did, and blew a clarion blast, but the tree was as independent as a hog on ice, and never budged an inch. I don't remember everything that happened after that.

"When I recovered consciousness I had one of the wire wheels around my neck, and so many bones were broken that I sounded like shaking dice when I moved: and S. Tillinghast Foxworthy was bending over me with his sunshine smile working like a dollar watch. I heard him saying, as from an infinite distance, that I should cheer up; hundreds of men had been busted up worse, and had lived to pay their income taxes.

"My remains were carried home in

a horse-blanket, and during the days of suffering that followed there grew up in my breast a profound hatred of Mr. Foxworthy and all his works. One day he came to the door and pushed his head in and began quoting his favorite poem, to the effect that the man worth while is the one who can smile when everything goes dead wrong. I threw a bottle of Dr. Punkman's Peruvian Pain Paralyzer at him, and was glad to hear him howl when it spoiled his nose. That evening I had his books taken away and burned by the public hangman, and felt a lot better.

"I had the services of the best veterinarian in town, and soon recovered my health; but while lying on my couch of pain I considered this optimism stuff in all its bearings and came to the conclusion that it is the poorest excuse for a philosophy that has been unloaded upon a trusting public."

Some people think sunshine is a modern product, says Mr. Mason, but it dates back a long time. He refers to an intolerable hero in one of Dickens's books named Mark Tapley, who was always jolly no matter what happened to him. Walt opines that it was only Dickens's great pull that enabled him to put Mark across, and he is inclined to the further theory that this Dickens story set some thoughtful American to thinking what a fine graft this jolly business would make, and he forthwith went out and organized a "Don't Worry" club. Further:

"He hired a hall and told his audience there was no such thing in the world as trouble, and pinned nice little badges on their coats, and they went forth, and organized 'Don't Worry' clubs, and hired halls; and so the foolishness was spread over the country and a false, shoddy, absurd optimism flooded newspapers, books, discourses, sacred and comic songs, and made the country ridiculous.

"For two years there has been a carnival of extravagance in this country. Blacksmiths have been wearing silk shirts while shoeing mules, and the mechanic who fixes my car does it in a plug hat and dress suit, and has a cabinet phonograph playing grand-opera music while he works. Policemen have been traveling their beats in limousines, and our local coroner insists upon having an oriental cushion when he sits on a corpse.

"We have been charging all this up to a natural reaction after the war, but, as a matter of fact, much of it is due to the crazy optimism we have been saturated with. We can't read sunshine stuff all the time and fail to absorb some of it. Through all the era of extravagance the wise men have been urging us to retrench and invest our money in government bonds or other safe securities.

"Present conditions are unnatural and cannot last," said the wise men; 'the laundress can't always be wearing Russian sables, and the charwoman cannot forever sport a diamond sunburst.'"

More thrift and less optimism is what Mason wants. Most of the old sports in the poorhouses were optimists, he thinks. When they were earning \$1.50 a day digging ditches or quarrying rock it never occurred to them that one day they would be old and decrepit, and hence they now find themselves having a horrible time on a diet of stewed prunes. Walt also was a born optimist, we learn, but he got over it, and he tells how he did so:

"Once upon a time I had a head-on collision with a street car in Chicago. The street car was not seriously injured, but I was rushed to the county hospital, where I remained several weeks. I had about forty cents on my person at the time, and no other resources, and the hospital authorities didn't seem to have much use for a patient who was worth but forty cents. They didn't fan my fevered brow or bring nose-gays to my couch of suffering, but when I was able to leave said couch, they sent me into a cold shed where I stuffed bedticks with straw, day after day. There were several overseers, and they always paused in their weary rounds to swear at me, for they had heard about that forty cents, and felt an honest contempt for anyone who would arrive at the hospital with such a bundle.

"As I worked away at the ticks I dimly realized that a man was a fool to be picked up in the street with only forty cents in his clothes. I had been earning good wages, but, being of a sunshiny temperament, there didn't seem to be any object in saving money. When I left the hospital I was in a chastened frame of mind, and might have reformed there and then had there been some wise and benevolent bystander to take me by the hand and tell me where to head in.

"But I needed a good many hard lessons before I became as wise as a serpent, and I received them. At last the truth came home to me, after I had been knocked groggy a hundred times. And this is the truth:

"Life is full of trouble, and wisdom lies in being prepared for it, not in clamoring that it doesn't exist."

"If you paste that in your hat it will help you to be an optimist; for if you are prepared for trouble, you can stand up bravely when it comes, and drape a smile on your face, and convince the neighbors that you are a dead-game sport."

HANG ON TO YOUR BONDS

Don't dispose of your bonds in the G-E Employees' Securities Corporation. Hang on to them, get the dividends and let the latter stand and thus add to your holdings. Instead of selling the bonds, get all you can.

As an investment the bonds stand at the head. They pay 8 per cent while the owner is connected with the General Electric Company and there is not a banker or financier in the world but what would jump at the chance to get

KEEPING FIT CONTEST

Standing of Major Departments December 15, 1923

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Meter Department.....	16.15	11.72	27.45
2. Induction Motor.....	5.14	4.82	6.22
3. Contributing Departments.....	28.51	27.51	3.19
4. Fractional H.P. Motor.....	23.33	23.22	0.47
5. Building and Maintenance.....	12.51	14.47	—15.65
6. Apparatus.....	6.18	7.25	—16.66
7. Transformer.....	8.16	10.35	—26.85

such an investment. They would mortgage everything possible to get funds to buy the bonds.

All we have to do is subscribe for the bonds on easy payments that are hardly felt. We also get them as bonuses. They are one of the best things ever offered and none of us should relinquish our ownership except under the greatest pressure.

If we must have funds at a certain time we may borrow on the bonds. Banks will gladly advance the money. On a \$100 bond a bank will loan \$80 at 6 per cent interest. With the bonds paying 8 per cent the owner makes 2 per cent and does not lose the bond. Of course, when we borrow we must pay back and when we do pay the \$80 we have the bond.

Don't sell or turn in your bonds. Hang on to them with both hands. Get the dividends, let them pile up and in a surprisingly short time the amount invested and drawing dividends will be twice as much as you first put in. That's the way men make money; it works for them all the time with no holidays or Sundays off. Money is a tireless worker. It never stops if invested properly and safely and this is the case with the Securities Corporation bonds.

Another phase of bond ownership, and one of almost equal importance, is the fact that the money invested in the bonds is in turn invested in concerns extensively using electrical apparatus. These concerns buy the product of the different factories, if they have the funds. We supply the funds through our investments. These concerns order apparatus. We make the goods. This gives us a job and wages. We win at both ends. We make money on our bonds and through the investment get work.

Don't sell your bonds.—Lynn Works News.

Don't fail to report to the fire chief or the safety committee anything that seems to offer a fire hazard.

GIVE YOURSELF A LITTLE PERSONAL SERVICE

Dr. Frederick D. Stricker, Collaborating Epidermitologist, Oregon State Board of Health, in co-operation with the United States Public Health Service, has issued the following very interesting message: "Give Yourself a Little Personal Service."

"Every spring every careful man has his automobile overhauled and adjusted, because he knows this is a good investment and not an expense. This you recognize as a prudent measure. The man that waits until his machine breaks down is 'penny wise and pound foolish.' You can replace the automobile with a new one when the old one is worn out. The human mechanism is the greatest machine that we know of and is the result of many ages of development, but has this handi-

cap that when once worn out it cannot be replaced.

"The importance of properly caring for this intricate and automatic mechanism cannot be overestimated. A careful examination of the records of human bookkeeping reveals the fact that the greatest number of deaths are due to degenerative diseases, which are to a great extent preventable. Those lives could have been extended had the human mechanism been given intelligent care.

"The best rule is to have a thorough physical examination made every spring by a competent expert who can advise you how best to tune up your vital forces for the ensuing year. Now is the time! Make 1924 your best year!"

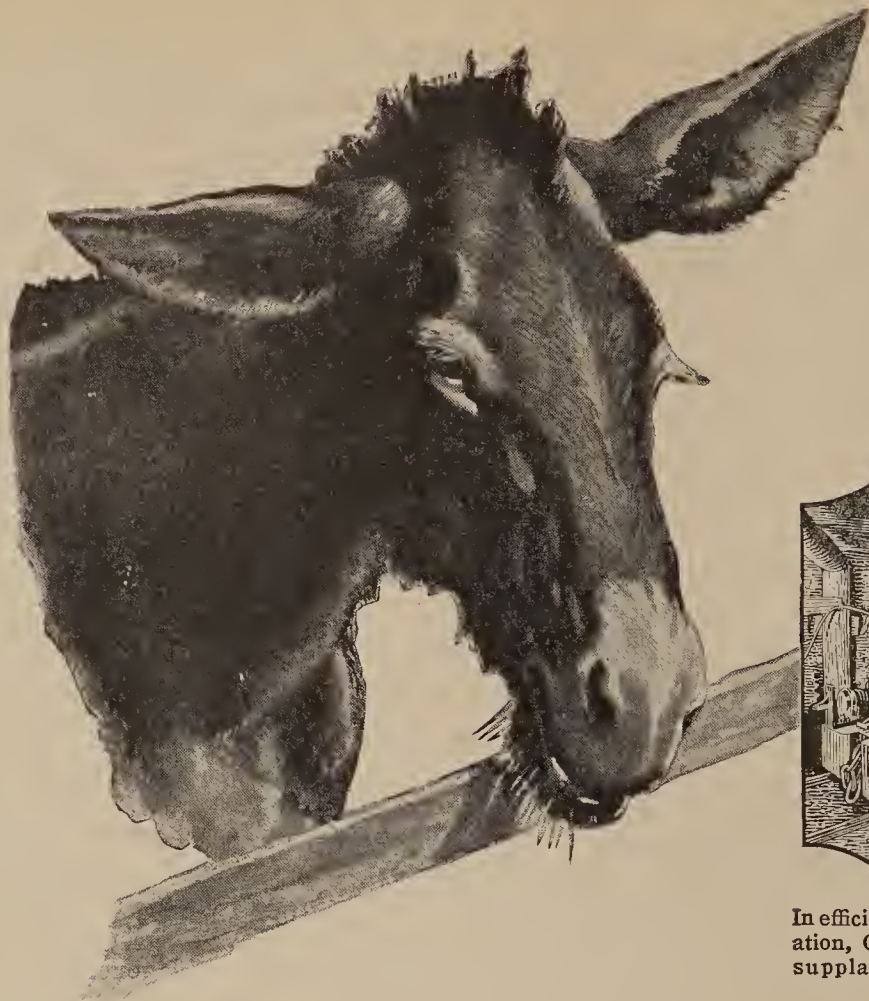
Don't let the children play with matches.

ACCURACY

I confess that in my experience with young men the capacity that I have found least often is the capacity to be accurate.

I have set greater store by the discovery that I could absolutely depend upon what a man said than I have ever set by anything that his friends may say, who are not in close contact with him and in a position to observe his daily work.

—Secretary of State Hughes.



In efficient modern coal mine operation, G-E mine locomotives are supplanting the plodding mule

Good-bye, old mule



In 1892 a G-E locomotive was placed in a large mine in the middle west. It is still in service and has hauled more than four million tons of coal. Thousands of G-E locomotives are now serving mines and industrial plants.

A faithful old fellow, the coal mine mule; but expensive. He was slow, and required much attention; and his working life was short.

Today a durable G-E locomotive, with one operator, often hauls as much coal as three mules, with three drivers, used to haul.

GENERAL ELECTRIC

943 B-11

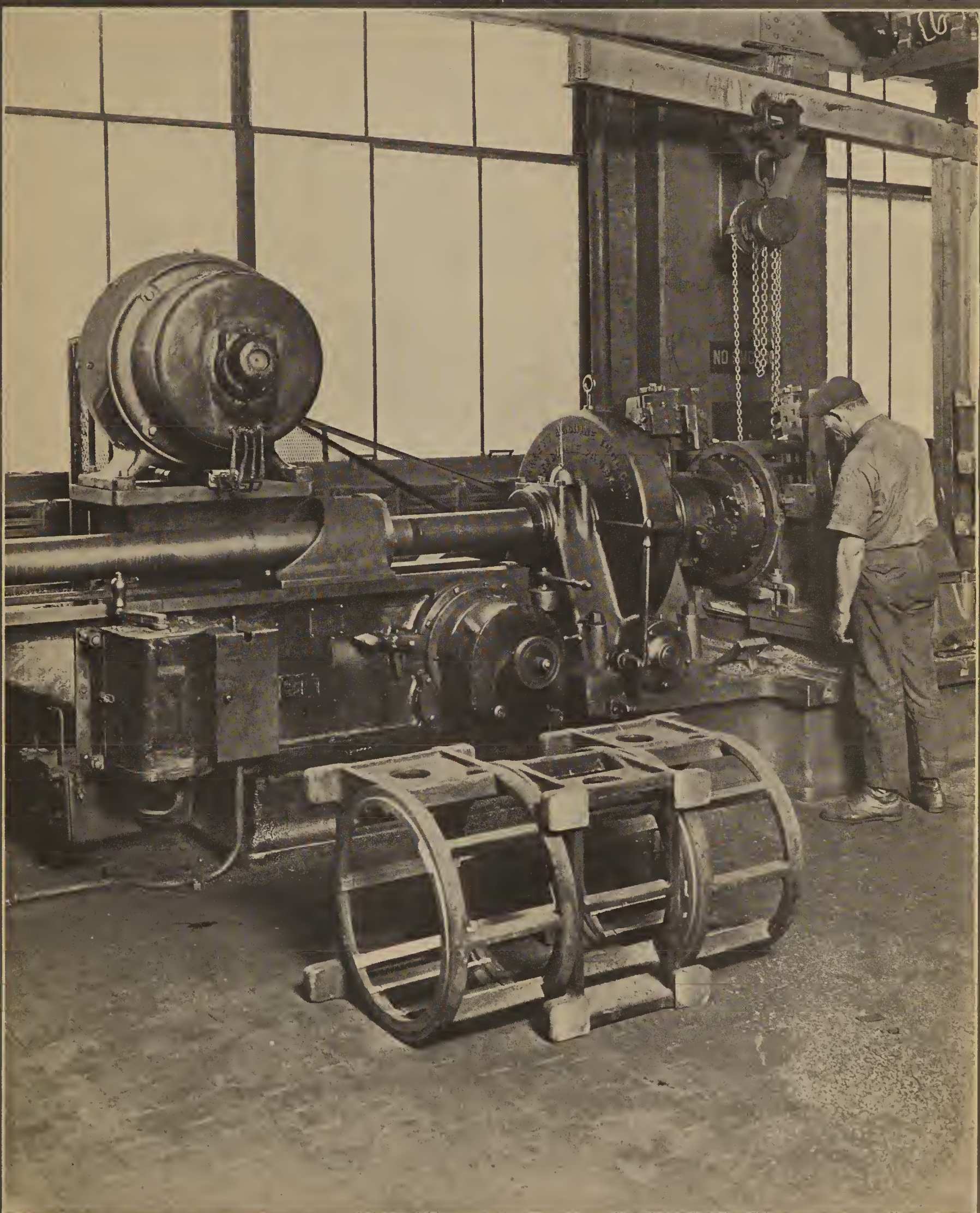
One of a Series of G-E Advertisements
Now Appearing in General Magazines

FORT WAYNE WORKS NEWS



February 1928

No. 2



The Story of the Picture

A machine in our shop using a specially designed tool is the subject of our cover on this issue. This tool has meant an improvement in our manufacturing methods that benefits both our Company and the workman who directs the machine. Such developments, let us say, are the hope of our G-E Suggestion System. However, this development was made by those whose especial work is the improvement of manufacturing methods and therefore did not come under the system of awards. The development, however, is no less interesting on that account.

In the foreground of the picture are seen some of the induction motor frames which have been machined on the Barrett boring mill just behind them. These motor frames of a given diameter differ as to the distance between two grooves which must be machined one at either end of the frame. The multiple cutter boring head shown in the picture as just starting to bore out the inside of a motor frame, has been used for some time, but as formerly constructed it was necessary for the machinist to take out several bolts, remove a block from the head proper and replace it with a different block whenever a motor frame of different distance between the grooves was to be machined. An improvement made on the old boring head, a simplified method of making the grooving change, caused the selection of this picture as our cover illustration.

The piece rates for machining these induction motor frames were reduced when this improved head was introduced and yet the workman will tell you he is glad the change was made. He now earns more pay without any harder work on his part, because of the time he saves in machining the frames and in making the change for different motor frames. Our Company also saves because of the reduced cost of machining the frames.

The operation in question is one of the many interesting ones to be found in the Induction Motor Department in Building 19. This department is justly proud of the modern methods of manufacture which they have in effect. Improved methods reduce our manufacturing costs and put our Company in a better position to meet competition. This results in sales of more motors, which means more work for the men in our plant. Our cover, therefore, illustrates the sound economic principle that Company, employees, and ultimately, the customers profit by our advancements in the electrical and manufacturing arts.

FORT WAYNE WORKS NEWS

VOL. 8

FEBRUARY, 1924

No. 2

WHERE THE G-E MONEY WENT

Summary of All Cash Received for
Five Years

By C. M. RIPLEY

If all the money received by the General Electric Company from all sources between January 1, 1918, and January 1, 1923, were put into seven big piles, the size of the piles would relatively be as shown above. The picture shows how each dollar was divided—every dollar averaged for five years.

Discussion

The picture is almost self-explanatory. The first column includes the money that went for such things as raw materials, purchased parts, and all kinds of supplies, including coal, oil, electric current, gas, water, repair material, stationery and such expenses as insurance, office rentals and thousands of other items.

The second column shows what went to pay all the employees from the president down to the office boy. Right now there are about 80,000 employees in all the General Electric offices and factories, including salesmen, research

specialists, engineers, draftsmen, machinists, electrical workers, pattern-makers, molders, clerks stenographers and the publicity men who advertise our products.

The third column shows the money that went to the stockholders. Right now there are about 40,000 stockholders. Four and four-fifths cents out of each dollar that came into the General Electric Company for five years was paid out as cash to the stockholders. At the present time, Schenectady employees in the factory and general office own eight and one-half million dollars' worth of General Electric stock.

The fourth column shows that out of each dollar of income 4 7/10 cents was kept and called surplus and used for enlarging plants, making improvements or as working capital. The latter is the capital needed for inventories of material and unfinished work in the shops, finished goods in warehouses or on the way to the customer. It is also required to carry customers' accounts and a large amount must necessarily be kept on hand as ready cash to meet payrolls, pay for material to work on, meet taxes, etc. Notice that the surplus is about equal to the cash divi-

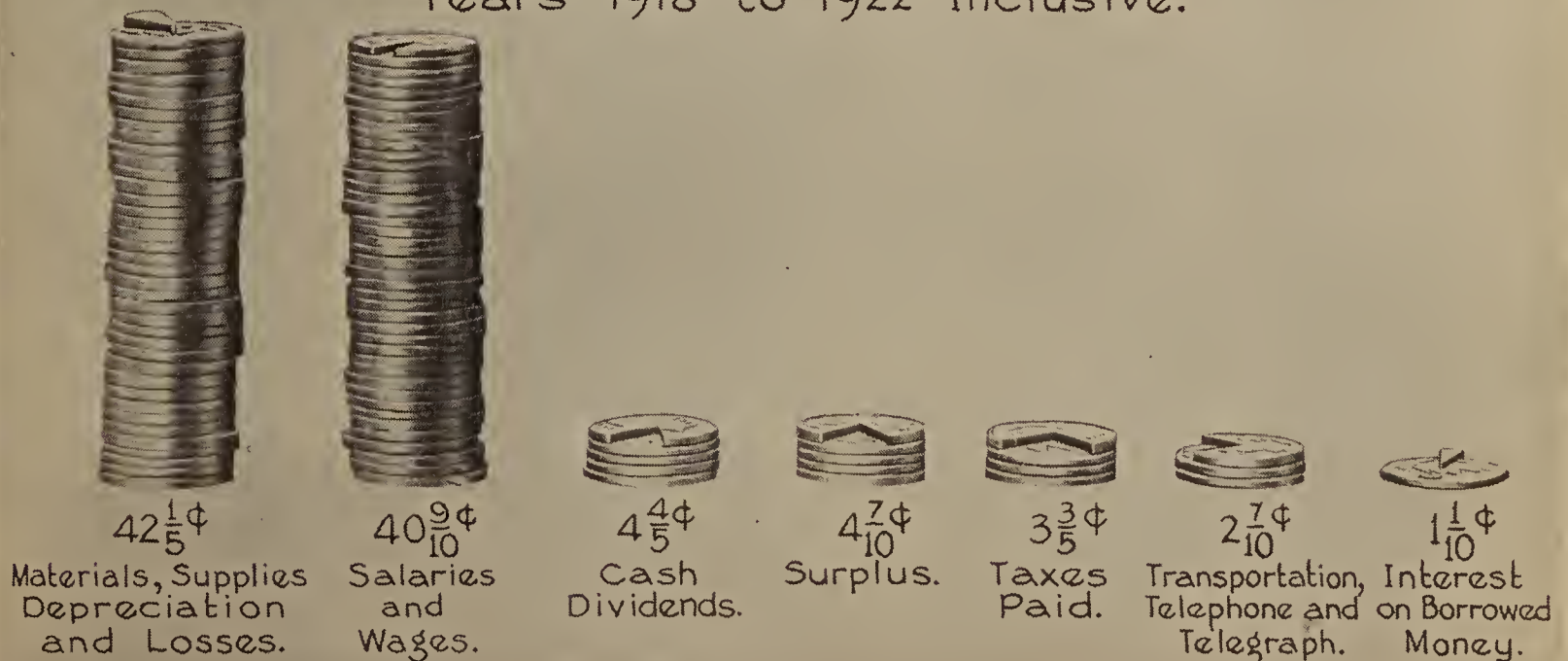
dends. Since the profits equal the cash dividends plus the surplus, this shows that practically half of the profits for these five years have been put back into the business.

The fifth column shows that 3 3/5 cents out of each dollar was paid as taxes to the federal, state, city and other branches of our government. The amount of taxes paid was three-quarters as much as the stockholders got. One of the most serious burdens on every worker today is the constantly increasing cost of government.

The sixth column shows that 2 7/10 cents of each dollar of income was paid out for carrying goods and paying the railroad fares of salesmen and other traveling men and to pay for telegraph messages and telephone calls in the factories and offices.

The seventh column shows that 1 1/10 cents out of each dollar of income was paid as interest on borrowed money. Part of this was interest on employees' bonds. Five thousand nine hundred and sixty-three employees in Schenectady, in the office and shop, have \$2,559,620 worth of these bonds. (This is in addition to the \$2,145,180 worth of bonds of the General Electric Employees' Securities

DISTRIBUTION OF A DOLLAR OF INCOME, General Electric Company, Years 1918 to 1922 Inclusive.



Corporation, which have been subscribed for by 9,987 employees). A large part of the money paid out as interest, went to the employees who own General Electric Bonds.

TECHNICAL NIGHT SCHOOL GRADUATES THIRTY-FOUR

Last week thirty-four employees of this plant received diplomas for satisfactorily completing a drafting or electricity course in the Technical Night School.

The two classes, drafting and electricity, have met from 5:15 till 6:45, twice a week since October 1st, bringing the number of recitations up to thirty-two for each class.

That genuine interest has been shown in the classes is clearly known from the fact that there has been very few absentees.

The work covered in drafting has been such as would fit the student to thoroughly understand blue print reading and to do actual drafting. Each member has progressed as rapidly as his ability would permit. As a result at the end of the term some men are doing work in machine design, others are making working drawings of mechanical parts in third angle projection drawing and still others are working problems of geometrical developments.

The work in electricity began with the elementary principles concerning resistance, sources of electromotive force and current flow in circuits. Magnetism, generator action, motor operation, transmission line and distributory system problems, and methods of control of apparatus were also studied.



NIGHT SCHOOL DRAFTING CLASS

Pohler
Harshbarger
Workman

Moore
Hoover
Weaver

Johnson
Gibson
DeJoung
Saul

Bartels
Grepke
Strodel
Stanley

Some of the actual tests made by the students themselves in the laboratory were the action of a direct current generator running under no load with variable field current and speed, and the external characteristics of a shunt motor.

The spring term seems to be destined to eclipse the fall term in point of the number enrolled. This fact is due in a large measure to the desire of nearly seventy-five percent of the fall term students to continue their studies again this term.

AWARDS ON SUGGESTIONS

The committee on suggestions announces the following awards made on suggestions up to January 15th:

Mr. Ronald Christy an award of \$10.00 on a suggestion to have the Apparatus Engineering Department place the instructions for lining up the commutators on the instruction sheets. This scheme saves the time of the clerk and the workmen when the operation of pressing on and lining up the commutator is being done. Mr. Christy is an employee in the Apparatus Armature Department, working under Mr. N. G. Prince in Building 8-2.

Mr. F. A. Bryan an award of \$5.00 on a suggestion to install additional emergency stretchers on the elevators in buildings having more than one elevator. This will save time in emergency cases where the one elevator containing the stretcher is unloading on another floor or is out of commission. Mr. Bryan works for Mr. W. F. Frisch in Building 19-2.

Interest in the Suggestion System has grown steadily during the past year and the committee is looking forward to a very good year. A report of the business done by the committee during the past year will appear in next month's issue of the Works News.

KGO

Have you tuned-in KGO? Those are the call letters of the new super-broadcasting station erected at Oakland, California, by the General Electric Company. It is the largest station on the Pacific coast, if not in the world, and is the only large station designed and constructed from the ground up



NIGHT SCHOOL CLASS IN PRACTICAL ELECTRICITY

H. Beitle, O. Braun, J. Renner, L. Hooper, L. Adams (Instructor), E. Cade, C. Elzey, D. Elzey, A. Moore, J. Kantzer, E. Brown, C. Ertle, H. Hitchcock.

exclusively for popular broadcasting. KGO is a sister station of WGY, at Schenectady, N. Y., and is the second link in a three-station project of the General Electric Company. The third station will be built at Denver, Colo.

The Pacific coast station first radiated a program Tuesday evening, January 8th and successful reception was reported from the city of Glen Cove, Long Island, Schenectady, Dallas, Chicago, and many cities on the western coast. In nearly every case special comment was made on the exceptional transmission quality.

In its studio, control room and power station, KGO the Sunset Station, embodies the latest developments in the radio art. Its power and antenna systems, a thousand feet away from the studio building include all the mechanical and technical refinements that have marked the new achievements in broadcasting. By means of KGO the listener in Maine becomes an air neighbor of the folks in California.

The Pacific coast station is located on East 14th street, Oakland. The site was selected because of its technical advantages, the availability of musical talent and its proximity to San Francisco, the great commercial center of the Pacific coast.

KGO is operated at 1,000 watts but the equipment is designed in excess of that power for purposes of conducting tests. In operating high-powered equipment below normal rating in broadcasting, tubes and rectifiers are not subject to occasional overloads and, as a result, superior quality and greater reliability of transmission is obtained.

The power house and antenna system are located 1,000 feet from the studio building. Nine motor-generator sets in the power house supply filament and plate current for the oscillator, modulator and kenetron rectifier tubes.

There are six tubes in the kenetron rectifier assembly, one metal plate oscillator tube, and one metal plate modulator. Every part of the equipment in the power house and in the control room is in duplicate, assuring uninterrupted service. If one outfit or part of an outfit breaks down during the operation period another outfit will be ready to be brought into the circuit.

The antenna is of the multiple-tuned type and is strung between two steel towers, each 150 feet high and 250 feet apart. Beneath the antenna is the counterpoise consisting of a network of wires, fourteen feet above the ground, covering an area of 150 by 300 feet. In addition to the power house which is one story high, 71x32 feet, there is a small building for the tuning apparatus and the end of the multiple-tuned antenna.

KGO, the Pacific coast station of the General Electric will not be dependent upon its own studios alone for programs. Located as it is near the great

cities of the Pacific coast, it has a rich field from which to select music and eloquence. By means of broadcasting pick-up circuits, the Sunset Station will be equipped to broadcast the speeches of important public gatherings, the addresses of prominent citizens, sermons by pastors of leading churches, concerts, theatre productions and occasionally, important athletic events like baseball or football games.

The Oakland station will be on the air every Tuesday, Thursday and Saturday nights carrying instruction and entertainment to the great audience of the Pacific coast and, when atmospheric conditions are favorable, to the fans throughout the country. The wavelength of KGO is 312 meters.

Martin P. Rice, director of broadcasting for the General Electric Company, has charge of the new Oakland station, WGY, at Schenectady and the proposed Denver station. J. A. Cranstont, Pacific coast manager for the G-E, has direct supervision of KGO.

OUR WORKS BUILDS TRANSFORMERS FOR THE MOFFAT TUNNEL PROJECT

The "G-E Monogram" for January mentions certain transformers which were built at our Works on a special rush order in connection with the Moffat Tunnel project. On seeing this information on Fort Wayne apparatus built for the Moffat Tunnel project, we investigated to see if there were not other interesting matters in connection with the handling of this rush order. While we were unable to uncover anything particularly exciting in connection with this order, yet we find that the transformers went through production in much less than the usual time.

There were two orders received at this Works for transformers designed for the Moffat Tunnel project. The first called for three 1000 KVA transformers, the order for these being received July 10th. The transformers were completed and shipped in a little less than 100 days from the date the order was received. The second order, and probably the one referred to in the "G-E Monogram," called for six 400 KVA transformers, required in a special rush so that everything might be ready for excavating work to start before the winter weather interfered with the outside construction work. This later order was received at our factory, August 31st, and eleven weeks later, three weeks less than the usual production schedule for this size of transformers, the transformers were on board the cars, ready to start their trip to Denver.

Four 200 horsepower synchronous motors were also built at our plant in connection with the Moffat Tunnel construction. On this work the men in the Apparatus Section in our plant did

highly creditable work, so that the Fort Wayne Works again demonstrated its ability to give speedy service where the unusual requirements merit extra speed.

A very interesting story of the Moffat Tunnel project is given in the January "G-E Monogram". The reference copy in the Works News Office is available to anyone who may wish to read the story.

1924 OFFERING OF G-E EMPLOYEES' SECURITIES CORPORATION BONDS

To Employees of the General Electric Company:

1. In accordance with the plan announced under date of February 8, 1923, employees of the General Electric Company who on March 1, 1924, will have been in the service of the Company at least six months will be given an opportunity to subscribe during the calendar year 1924 to bonds of the G-E Employees Securities Corporation upon the terms and conditions as set forth in said announcement.

2. Subscriptions on forms provided for the purpose will be accepted from employees of the Company as follows:

Plan A (Deduction from earnings on a weekly or monthly basis):

Subscription will be accepted up to and inclusive of February 15, 1924.

Plan B (Cash in full):

Subscriptions will be accepted at any time during the year 1924.

The maximum amount for which any employee may subscribe during the calendar year 1924 under both plans is \$500.

3. Employees may subscribe during the calendar year 1924, under this offering to a maximum of \$500 even though they have not yet paid the final installment under the offering of February 8, 1923, but it is contemplated that so far as possible payroll deductions under the present offering will not begin until completion of the installment payments under the first offering.

4. Those who subscribe under the second offering (of August 4, 1923) and who because of present deductions from their earnings find it inconvenient to subscribe under the present offering, will be given an opportunity to subscribe at the termination of the present installment period.

5. There is no obligation placed upon any employee to subscribe to these bonds, which are issued solely to provide a convenient means for employees to save at a favorable rate of interest.

GERARD SWOPE,
President.

GIRLS AND THE G-E PURSE STRINGS

By DOROTHY HORMEL

Probably the phase of the work done around the plant which will be most apt to strike a responding cord in the minds of the people around the factory is the making up of the pay roll. It is the phase of the work which effects each man and woman directly. But how many have ever stopped to think how this pay roll is made up, how much concentrated effort it requires each week? Or, if the man in the factory has stopped to wonder about that, has he ever stopped to wonder just who the people are who do this work? Perhaps it would surprise him to know that it is girls on whose rapidity and accuracy his pay envelope finally depends. For it is a peculiar fact that girls are the ones who are better able to develop speed in counting to a high degree. The reason for this is easily explained. Men usually do the kind of work which will cause callouses to form over the finger tips; while girls on the other hand do not usually have these callouses on the tips of their fingers and, therefore, are better able to feel the bills they are counting and tell instantly whether they have picked up one or more bills at one grab.

The girls in the accompanying picture are three girls from the pay roll department who work on the pay envelopes each Friday. Their names are, reading from left to right: Miss Helen Gnau, Mrs. Katherine Bowers Neeb, and Mrs. Eva Overly. These girls have already made records for themselves in speed and accuracy. Mrs. Neeb in this picture is the counter. The six people who count out the money for the envelopes are: Katherine Neeb, Helen Gnau, Eva Overly, Fay Melching, Dorothy Bixler and Mr. Wilbur Bloomberg. The checkers who check the envelopes every Friday are: Vera Archer, Dorothy Bolt, Vera Fredericks, Viola Howell, Rosella Kiep, Freda Lipp, Mary Martin, Dorothy Osborn, Erma Somers, Clara Stevens, Thelma Teeters, Anna Walburn, Margaret Wehrle, and Mr. Raymond Young. Besides these twenty people Messrs. Martin Kunstmann, George Andrews, and Robert Wefel also work on the preparation of the pay envelopes. These three men first get the money all ready for the girls to work on and then they make up the factory salary pay envelopes. It will be noted that there are two men listed, one as a counter, and the other as a checker. These young men are an exception to the general rule. They, like the tellers in the banks, probably have never done any work which would interfere with this sort of work, and, therefore, are very well able to do this work just as well as the girls.

In order to realize just how much work is involved and just how vital the speed and accuracy of the counters is



THREE SPEEDY, ACCURATE PAY ROLL CLERKS

Helen Gnau, Katherine Neeb and Eva Overly.

to the final distribution of the pay envelopes each Friday evening, let us go through the money room and watch them make up the factory pay roll for one week.

In the first place we must obtain a guide from the Pay Roll Department. This guide takes us to the money room where we see a guard sitting outside the door with his back against the opposite wall so he can better watch the hall from both directions and the money room door at the same time. Our guide goes up and speaks to the guard, who then raps on the door. Immediately after he has rapped, the door opens slightly—as far as a chain on the inside will allow it, and just far enough for the guard inside to look out. The two guards speak together, the chain is released and we enter. The room is filled with six tables, chairs (three at each table), and the large metal money boxes in which the pay envelopes are eventually carried out into the factory. The windows are barred with screen-like bars. We

go straight on back and there to our left is a counter and in back of the counter are three men counting money as hard as ever they can. On a shelf in back of the counter are stacks and stacks of bills. Mr. Kunstmann is counting these bills with all the speed he can muster. And while he counts he fills large cloth sacks, six in all, preparatory to the girls coming up to fill the envelopes. On the inside of the counter and fastened on it are five large shallow round metal pans, similar somewhat to pie pans. Each of these pans is filled with coins of different denominations, fifty cent pieces, quarters, dimes, nickles, and pennies. On the edge of each pan is a round affair to which is attached a crank and on the side of which is a register which counts the amount of money which passes through. Geo. Andrews and Robert Wefel work at these pans and these men turn the cranks and count out into cloth sacks which are attached, enough coins of the various denominations to supply each of the six sacks which Mr.

Kunstmann is filling with bills. As soon as one of these sacks is filled Mr. Kunstmann calls the pay roll office, and calls three girls, a counter and two checkers. Our guide tells us that the combination of girls is changed each week, and Mr. Kunstmann is the only one who knows what combination of girls will work together. Even the girls themselves do not know until they are called. The same counters are always used, but the combination of checkers changes and the sections they work on change.

Mr. Kunstmann then returns to counting the bills for the next sack and thus the counting continues until there is a knock at the door and three girls are admitted. One girl comes up and gets the filled sack. Our guide tells us she is the counter. She then goes to a table where she immediately counts the bills by packets, and as she counts the other two girls check her count. When the girls have counted all of the packets, the counter then calls out the amount to Mr. Kunstmann, who tells her whether this amount checks with the amount the sack should contain. When the money is found to check, the counter opens all of the packets and she and the checkers count the money again, bill by bill, to see whether or not the bank has slipped up on its count of the packets. When this has been done the girls are ready to fill the envelopes. The counter arranges the bills on the table in the order of \$20.00, \$10.00, \$5.00, and \$1.00, starting from the left and running to the right. In back of this row of bills stands a metal container on three legs. This container slants forward and has five compartments into which she dumps the sacks of coins in the order of 50c, 25c, 10c, 5c, and 1c, running from right to left. At the left of this container is a long box in which are the envelopes to be filled. When the counter has her money all arranged she then commences to count. She picks out an envelope from the box of envelopes, looks at the amount, then picks out the money, always paying in the highest denomination possible in both bills and change. She starts at the left of the bills, picks up the bills she wants, and then works back to the left on the box of coins. When she has the money in her hand she picks up the envelope, places it upside down on the money and hands it to one of the checkers. Then she starts doing the same thing right over again, for she must work fast enough to keep both checkers busy all of the time.

As soon as the checker gets the envelope and money she counts the money, then looks at the other side of the envelope, and if the money is correct she places the money in the envelope and places it in a metal box which is standing between the two checkers. Our guide calls our attention to this box. It stands in a wooden rack slanting forward. It is divided into two long sections. But the inter-

esting thing is the rack. In the base of the rack and on either side of the box are two holes. And in these holes are pencils, one black and one red, standing upright. As the checker finishes checking the money and placing it in the envelope, she runs her envelope across the pencil on her side of the box as she reaches to put the envelope in the box. In this way an accurate record is kept of just who checked each envelope.

In the meantime Mr. Kunstmann gets the cloth sacks filled one by one and calls in the groups of girls and the two men as soon as the sacks are ready for them.

In all of this work the two main factors are accuracy and speed. Accuracy, of course, is much more important than speed, because no matter how much speed a girl develops, if she is not accurate her work is at a standstill. For a while the speed record in making up the envelopes was one every ten seconds, or 600 per hour. But recently Mrs. Katherine Neeb, Rosella Kiep and Viola Howell raised that record to 835 per hour, or about one every four seconds. That means 835 envelopes without any mistake.

While the envelopes are being filled, Mr. Kunstmann and his two assistants fill the factory salary pay envelopes.

As each group of girls finishes filling the envelopes, the counter counts the money left and checks with Mr. Kunstmann. The money remaining represents the difference between what the pay roll should have been and what it really is after the deductions and advance payments are taken out. If the amount left is correct, the girls are excused until evening. If not, the girls must stay and go over all of the envelopes and check and recheck until the mistake is found. No team is allowed to leave the room under any circumstances until its amounts check.

When the teams are all finished and gone the envelopes are sealed and arranged in pay station sections by means of a little book. The numbers run in series in this book and the envelopes are picked out and put into the boxes by groups.

After this the boxes are logged. The logging process records the envelopes which go to each station by number. These logs are made out on large sheets of paper and, when completed, the envelopes are placed in the large metal money boxes and the boxes are locked.

At about 4:30 we go back again. Now the hall is filled with men from the factory who are waiting to carry the money boxes to the sixteen pay stations about the plant. Inside, the chairs are arranged along two walls and the big money boxes are lined up and down the center of the room. There are sixteen girls and sixteen men waiting here to go to the pay stations to pay off. Each man has counted the envelopes in his box to see that he is charged with the right amount of envelopes. When

it is time to start, Mr. Kunstmann calls the number of each station and the names of the girl and the young man who are to pay off at that station that particular night. These names are not known either until the time comes for paying off, our guide tells us. As each number is called, two men come in from the hall, pick up the box and lead the way, followed closely by the two people from the Pay Roll Department.

Our guide takes us along with one of these groups to a pay station to watch them pay off. When we get to our destination we see a caged-in coop with two tellers' windows in it. The men set the box down and the young man from the Pay Roll Department then unlocks the box and places the metal containers on the steel shelf inside the cage which serves as the desk. Then we wait. We can see people coming from all around to "ring out," and we watch them line up outside of the cage in numerical order. When everyone has lined up, the paying off starts. The girl, who is at the window nearest the line, takes the signed vouchers and calls out the number, and the man hands out the envelope as each person comes up to the window. In this way the line keeps moving, the people being paid at a rate of about forty per minute. After everyone has been paid, the vouchers and the remaining envelopes, if there are any, are placed in the metal box and locked in. Then the guards who have been waiting outside of the cage all the while, pick up the box and return it to the money room.

Upon arrival in the money room the first two couples who return exchange the vouchers and envelopes left, count them, and fill in the numbers on a blank on which has been written the total amount of envelopes together with the station number and the name of the person who has checked this station originally. When these numbers are found to check, the two pay roll people go to the factory cashier's cage and hand her the blank together with the envelopes and vouchers. She checks the amounts, and, if correct, the two people are excused.

The work is done. We have seen 3,600 envelopes filled, checked and rechecked, and checked again and then finally distributed, and all in a day's time.

And the interesting part of the whole thing is that the story in a nutshell is this: The factory cashier lends Mr. Kunstmann the sum required for the factory pay roll. Mr. Kunstmann divides it up among his teams, and when the day is over he returns to her in the form of vouchers, money, and envelopes the same amount he drew from her in the morning. And in this way a girl has started the ball a-rolling and it has been girls who have helped right along to keep the ball a-rolling until it is finally stopped and returned to the girl who started it.

FORT WAYNE WORKS NEWS

*Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.*

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Wade Reed.....(G-E A. A.) Athletics
Dorothy Hormel.....Girls' Department
G. R. Gawehn.....Illustrations
Verena Miller.....Decatur Works

REPORTORIAL STAFF

P. A. Shober.....Electro-Technic Club
LaVera Vail.....Elex Club
Glenn Cox.....Apprentice Association
Russell Haruff.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. E. Hall.....Quarter Century Club
K. Szink.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
G. J. Doss.....G-E Squares
Josephine Zimmerman.....Absent Employees

Vol. 8. FEBRUARY, 1924 No. 2

TO CLIFFORD M. FOUST, of the General Engineering Laboratory, goes the honor of being the first General Electric employee to receive the Insull medal for resuscitation.

Mr. Foust, through the use of the prone pressure method of resuscitation, saved the life of J. J. Kehoe, a fellow employee. The latter had been knocked unconscious while operating a 150,000-volt direct current discharge set. He was inside the safety gates when found, but can offer no explanation for his presence there.

The medal was presented to Mr. Foust by C. E. Eveleth, manager of the Schenectady Works, on behalf of Mr. Insull. The presentation was made in the presence of the manufacturing committee, during its recent meeting in Schenectady. With the medal Mr. Foust received a certificate of award.

FROM BORING MILL HAND TO GENERAL SUPERINTENDENT IN FOUR YEARS

Up at West Lynn the other day a man was appointed general superintendent of the Works. Four years ago he was a boring mill hand, and he is now only twenty-eight years old.

How did he do it? He worked hard and used his brains. N. M. DuChemin started out in life selling newspapers when he wasn't attending public school. He went to college by his own efforts. He worked there. He won a Rhodes scholarship, and turned it down. Then he joined the General Electric Appren-

tice school, and while learning tool and die making, kept up his studies in the General Electric Engineering School, and studied law. There were not enough hours in the day for that young man.

When the war started he went in the navy as a seaman, second class. When he quit, two years later, he was a lieutenant in charge of construction work. Wherever he was he went up.

Then back to the boring mill when the war was over. He studied safety work, served on the National Code for Safety in Aeronautics. And when Manager Cox wanted a general superintendent he couldn't overlook DuChemin.

A PROPHECY BASED ON FACT

**An Interview With Samuel Insull,
President of the Commonwealth
Edison Co. of Chicago**

By EDWARD F. ROBERTS

(Courtesy U. P. C. News Service—Copyright by
U. P. C. News Service)

America stands on the threshold of the "Age of Power," an era in which most of the drudgery of life will vanish before the mighty genie of electricity which is being harnessed to man's use.

This is the prediction of Samuel Insull, for many years private secretary to Thomas A. Edison and one of the world's greatest electrical experts. Mr. Insull today controls the entire electric lighting industry of Chicago and a dozen other western cities. But the great enterprises of which he is head are the mere beginning of what he predicts will come within the life of another generation.

Mr. Insull represents a type of big business leader that is becoming more and more common in America. A technical expert who is more concerned with facts than finances and who has vision that reaches far beyond the limits of his particular industry and sees it in its proper proportion to the whole great fabric of civilization which the race is building.

"I wish I could answer you," he said, a trifle wistfully, when I asked him what power development meant to the average American. "I wish I could look fifty years ahead and see myself the tremendous changes which I know are coming, but I must leave that kind of thing to Mr. Wells and the other fiction writers."

"And yet no man is better qualified to prophesy in this respect than yourself," I suggested.

"Well," replied Mr. Insull, "I have dealt with facts all my life and I prefer to keep my fancies for my private consumption, but if you insist on prophecy, I think I can tell you some of the things that are coming because they have already been born, and it is merely a question of further develop-

ment which is as certain as anything human can be.

"We are accustomed to talk of the different phases of man's growth as of the age of stone, the age of iron, &c. Using the same phrase I believe that we are today passing out of the age of transportation and are witnessing the dawn of the age of power. I mean by this that we have probably built most of the railroads and supplementary systems which we need and that the railroad problem is now a question of intensive development so as to make each mile of track carry more traffic. We have only made a mere beginning, however, in regard to the development of power, and we have as yet no proper co-ordination of effort or systematic planning in production and distribution.

"We started with individual plants operating as independent units and we have found that that is wasteful and inefficient. I believe that the day of the private power plant is over and that the time is rapidly coming when power will be generated and distributed to the entire country through a vast system of central generating plants which will supply all manner of different users, from the home owner to the manufacturer, the mine operator and the public utility corporation.

End of Monotonous Drudgery

"Such a system will mean not merely a tremendous reduction in the cost of power, but will place it at the disposal of the small village and even the isolated farmstead as well as the great city or industrial community. Fifty years from now power will be so cheap and accessible that man will be independent of his surroundings. The comforts and luxuries which we think of today as inseparable from the large town or city will be then available for every home in the country, whether it be in the heart of New York or Chicago or in the mountains of California or the plains of the northwest.

"When the time comes nearly all the mechanical processes of industry as well as most domestic services will be preformed by electricity and great masses of the population will be relieved of the monotonous drudgery which is an inevitable part of the world's work today.

"What this will mean to our whole social, moral and political life it is impossible for any man to say, but nobody can question that it will spell a better, fuller, healthier and happier existence for all those who will come after us, and who will enjoy the fruits of the seeds which we are today planting."

Mr. Insull halted himself abruptly and leaned back in his chair laughing.

"There," he said, "in spite of my good resolutions you are turning me into a prophet after all."

Prophecy From Fact Foundation

"Still it is a prophecy with a foundation," I remarked. Mr. Insull

nodded, "A very real foundation," he said. "It is based on what has already been done and that justifies very high hopes for the future. Fifty years ago electricity turned not a single wheel except perhaps on a tiny scale in the laboratory of some scientist. Yet at the beginning of the present century the electric lighting and power systems of the country represented a capitalization of about \$650,000,000, and twenty years later that capitalization had grown to \$5,000,000,000. The increase in production in the last twenty years has been still more impressive. Last year the total output of the country was 47,659,004,000 kilowatt hours, an increase of not less than 1,900 percent in twenty years. Here is Chicago alone the development has been particularly remarkable. The increase in output in the last twenty years for this city was more than 3,200 percent. Generating units which produced 80 kilowatts in 1888 have grown to 35,000 kilowatts today with a 60,000 kilowatt unit on order.

"I don't want to daze you with figures, but I want to say that if I have been betrayed into prophecy, I had some solid grounds for the faith that is in me. I have talked of fifty years from now, but many of the things I foresee will come well before that time. Electricity today leads the way in industry. One of the best proofs of its sound development is the fact that it has been on the whole steadily decreased in price. Its future expansion is practically incalculable and I would place no bounds on any man's imagination as to what it may eventually do for the human race."

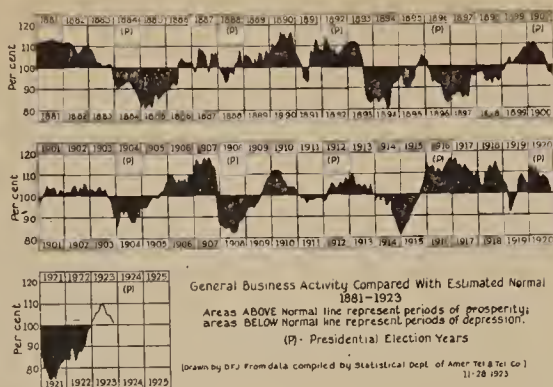
BUSINESS ACTIVITY IN PRESIDENTIAL YEARS

By D. F. JORDAN

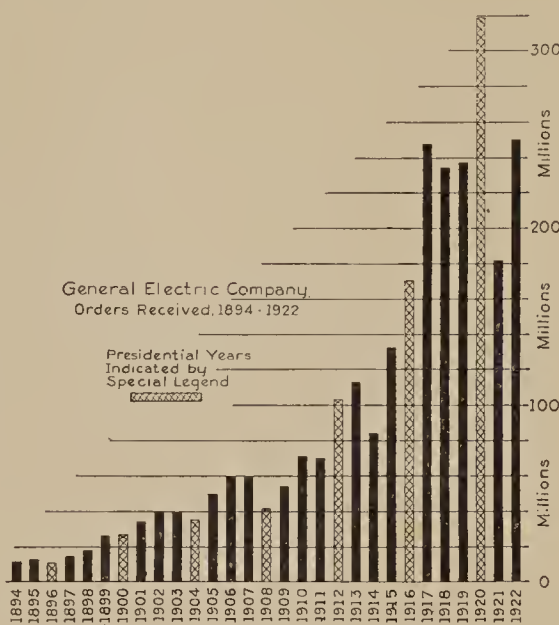
Consulting Economist

The tradition exists that presidential election years are usually poor business years. As 1924 is a presidential election year, the question naturally arises at this time as to whether this means that it will be an off-year in business. This article is written to state briefly just what has been the experience of general business conditions and of the General Electric Company in particular in previous presidential election years.

Two diagrams accompany this article, the first of which shows the monthly fluctuations in general business activity compared with an estimated normal condition from 1881 to date. Business activity during the presidential years included in this period has not followed a uniform trend. The record has been as follows: 1884, poor; 1888, fair; 1892, good; 1896, mixed; 1900, good; 1904, poor; 1908, poor; 1912, good; 1916, good; and 1920, good. The diagram indicates that presidential election years usually have not proved unsatisfactory; in fact, the opposite



tendency might more readily be accepted. Business activity apparently is just as likely to be good in a presidential election year as in any other year.



The second diagram shows the volume of orders received by the General Electric Company annually since 1894. Of the seven presidential years, only two might be classed as relatively poor. The last three have proved unusually favorable.

The approach of a presidential election seems to make for a more cautious commercial policy on the part of most firms. The purpose of this article is to show that great caution in this regard is not justified in view of the experience of former years. These facts might well be brought to the attention of prospective buyers who are hesitating in placing their orders due to political apprehensions arising in a presidential election year.

Schenectady, Jan.—The General Electric Company's order for the year ending December 31, 1923, amounted to \$304,199,746, compared to a total of \$242,739,527 for 1922, or a gain of 25 percent, according to an announcement made public today by Gerard Swope, president.

For the fourth quarter of 1923, orders totaled \$74,452,442 as compared with a total of \$66,568,333 for the corresponding quarter in 1922, or a gain of 12 percent.

GROUP LIFE INSURANCE

Deaths Reported in December, 1923

Employee	Died	Beneficiary
Schenectady		
Albert Pierce	Oct. 16	Sister
George Replin	Nov. 16	Wife
Henry E. Reamer	Nov. 29	Wife
Mary Bakayczick	Nov. 20	Mother
Thomas Vernon	Nov. 2	Wife
William Whyte	Nov. 9	Wife
Lucille Van Santvoord	Nov. 10	Mother
Edward H. Dill	Nov. 18	Wife
William E. Holcombe	Nov. 20	Wife
John Biggerstaff	Nov. 20	Wife
Lillian A. Missette	Nov. 9	Mother
Henry P. Hall	Nov. 19	Wife
River Works		
Kate Wood	Nov. 24	Husband
Wm. H. Bardsley	Nov. 28	Daughter
David Bailey	Nov. 25	Wife
Frank B. Breed	Nov. 11	Wife
West Lynn Works		
Mary A. Murphy	Aug. 31	Son
Eleanor Marsh	Aug. 4	Father
Pittsfield		
Wm. S. Bradt	Oct. 1	Estate
Wm. J. Virtue	Oct. 3	Son
James B. Young	Oct. 15	Wife
Fort Wayne		
Ernest R. Beyers	Oct. 9	Wife
Erie		
Paul F. Carr	Nov. 23	Wife
Oscar Carlson	Nov. 14	Wife
Bridgeport		
Joseph H. Bishop	Nov. 24	Wife
Harold R. Merrick	Nov. 7	Sister
San Francisco		
Leonard E. Voyer	Oct. 27	Wife
Boston		
Edward L. Cooley	Nov. 22	Brother
Chicago		
Jordan A. Mason	Oct. 29	Mother
Pasadena		
Chas. R. Dougherty	Nov. 27	Wife
Yokohama		
Yone Saku Suzuki	Sept. 1	Mother
Total—31 deaths		\$36,000

Franklin started the first thrift campaign, and that campaign is still going on. His maxims of Poor Richard did more to encourage thrift and industry in the colonies than any other one thing and they were circulated all over the world. Sargent says that they have been more often translated and printed than any other work of an American author.

G-E RADIO CLUB

The G-E Radio Club continues to command the interest of a great many of our radio enthusiasts. The attendance at the meetings average around forty to fifty, and these people are not all employees of the G-E. While the majority of the club members are people who are primarily interested in reception of broadcast programs, yet a number of the leading local amateur transmitters have joined the club and are to be found regularly in attendance.

The January meeting was addressed by R. H. Chadwick, our small transformer designing engineer, who talked on the subject of "Audio Frequency Transformer Design." He demonstrated by formulae and curves some of the more interesting features of the problem of audio frequency transformer design, pointed out the limitations of price and size toward making

the ideal transformer but at the same time demonstrated that our transformer designs handled in a highly satisfactory manner the audio frequencies as involved in the tones of the human voice, and the musical instruments which we receive in broadcast programs. Mr. Chadwick exhibited the latest G-E Audio Transformer design in which some improvement has been made toward perfection of the tone quality. As was evident from the sample transformer exhibited, a great reduction has been made in the size. This reduction in size and improved tone quality have been secured by a change in the iron used for the cores and in improved, though somewhat expensive methods of handling this iron during the process of manufacture.

The talk on audio transformers was followed by a demonstration of loud speakers, brought to the meeting by various members of the club. Chairman Stephenson, of the program committee, had contributed his receiving set for the demonstration, but unhappily it was not well adapted to the length of aerial used, and the demonstration was only indifferently successful.

The next meeting of the club is scheduled for February 11th, and a good program is assured. The meeting will be held in Bldg 16-2 at 7:30 p. m. All interested in radio are invited to attend and become members of the club.

VOLUNTEER FIRE DEPARTMENT

The officers of the Volunteer Fire Department lately elected for the year 1924 are as follows: Wm. Melching, president; H. Zimmerman, vice-president; F. G. Duryee, secretary; E. J. Sivits, treasurer; Chief Wm. G. Wurtle, Board of Management.

The Entertainment Committee selected for this year is: E. Miller, chairman; D. Hamilton, B. Murphy, C. Boyce and W. Denney.

The members of the Athletic Committee are: E. Spiker, chairman; O. Shady and L. C. Kintz.

The Literary Committee is composed of E. J. Stroud, chairman; Wm. Grover and Wm. Altekruze.

The resignations of Fred Feuchter and Phil Ormiston, who have left the employ of this Company, left vacancies in the personnel of the Fire Department, which were filled by the appointment of Joe Henry of Bldg 27, and Elmer Hamilton of Bldg. 6-3.

That the firemen put pep into about everything they undertake is borne out by the work of Dee Hamilton and C. Hueber in the Y. M. C. A. Basketball League games, and by Ed Miller in the role of Santa Claus.

FOREMEN'S ASSOCIATION

J. J. Wood Speaks to Foremen

It is seldom that an audience has the opportunity of listening to the first-hand narration of the reminiscences of one of the earliest pioneers in the electrical industry, but this opportunity was given to the members of the Foremen's Association at their last meeting, January 23rd, when Mr. J. J. Wood of the Fort Wayne Works, addressed this body and told not only of his own electrical experiences of the by-gone days, but also of the early days of the electrical industry as a whole. There was a large attendance to hear Mr. Wood and his remarks were heard with great attention and interest.

The talk was followed by several reels of motion pictures, which were very instructive, as well as entertaining. The evening was then given over to the "eats" branch of the entertainment committee.

Newly elected president of the Foremen's Association, Joe Schwartzkopf, has announced the three new members of the entertainment committee for the coming year as follows: V. Castle, Robert Gollmer and Jim Sivits. The three members held over from last year are Fred Durvea, O. L. Weitzman and L. D. Meader. Mr. Weitzman has been selected as chairman.

Valentine Party to Foremen and Families

The Foremen's Association has the stage pretty well set for a big Valentine party to which the members and their families are invited. This is the first big family affair of the year and from the interest being taken in the arrangements, the event will be one of the best of this class of entertainment the association has yet attempted. The night selected is Thursday, February 14th; and the place is Building 16-2. Committees are assisting the entertainment committee with arrangements and a good time is in store for all who can attend. The rooms will be appropriately decorated for the party. While all the features of the evening's program are not yet arranged, it is the intention of the committee to hold a series of bunco and bug games, in which all will be able to participate. The children will be entertained with all sorts of games. Following the games there will be either pictures and vaudeville acts of real merit or a dance program will be arranged. During the evening a lunch will be served. Special favors will be distributed when guests arrive and are received by the reception committee. As the entertainment committee is putting forth great efforts to make this party a real pleasant, sociable affair, it is hoped all will attend and bring the children, for it is to be a for-sure family gathering.

Oscar Weitzman, chairman of the entertainment committee, urges all to reserve this date.

Harry Kruge, crane inspector in the Building and Maintenance department, has returned to his duties after several weeks' absence due to an injury. His fellow foremen are glad to see him back again on the job.

Wm. Miller, foreman of the repair section of the Transformer department, under Frank Walburn, has reported for duty after being absent on account of sickness.

Oscar Weitzman, chairman of the entertainment committee of the Foremen's Association, announces the preliminary draft of a program for the entertainment of the foremen for the coming year. As all events are not yet scheduled the outline will not be published until the next issue. The chairman and all members of the committee, as well as the officers of the organization, ask the support and interest of all the foremen in the affairs to be given, and request that all attend each meeting if possible.

APPRENTICE ALUMNI ASSOCIATION

Officers Elected — Plans Educational Programs

Joe Miles was elected president of the Alumni Association at the regular quarterly meeting held in Bldg. 16-2, Tuesday evening, January 15th. The other officers elected were Karl Geller, vice-president; Clarence Bremer, secretary-treasurer, and C. W. Hale, Wayne Brunette, George Friess, and Walter Greiner on board of directors.

The meeting started with a banquet. Immediately after the banquet, Mr. Gullihier, a vocal ventriloquist, furnished a half hour of entertainment for the members.

After the business meeting, short talks were given by W. J. Hockett and O. L. Weitzman. Robert Moyer and C. W. Hildebrand, who recently returned from California, told of their experiences on the trip. The trip was made in a Ford, and according to the testimony, their experiences were many, especially from broken springs. The boys stated that they changed so many springs that they can now make the change in approximately two minutes. Practice, it appears, makes perfect.

The Association is planning to have a series of programs for members only. At first will be considered the functions of various departments and their relations to other departments at the Fort Wayne Works. This will consist of a series of lectures, one every two or three weeks, by the heads of the various departments. As most of the Alumni Association members are connected with the Fractional Horsepower Motor Department, this department will be the first to be studied. A great

deal of useful information should be derived from such a course, and it is hoped that the Alumni members will respond 100%, for their own good.

During the past month, another member of our Association has joined the ranks of the Benedicts, and it is none other than Robert J. Bongert. Who'da thunk ut! Good luck, Bob, and also congratulations! R U next?

Watch for next month's Alumni announcement!

G-E SQUARES ELECT NEW OFFICERS

Former President Howell Transferred to Pittsfield

Three more men were initiated into the G-E Squares the latter part of last month, making a total active membership of twenty-eight against a membership of eight at this time last year. The new members are as follows:

Cyrus C. Davidson, Kansas State College, Manhattan, Kansas; Harvey C. Rath, Minnesota University, Minneapolis, Minnesota; H. Holland Whitney, Jr., Tufts College, Tufts College, Mass.

The regular business meeting for this month was held Thursday evening, January 3rd, with E. H. Howell presiding. After discussing regular routine business, President Howell tendered his resignation in order that new officers could be elected before his leaving for Pittsfield, Massachusetts, on January 5th. Ed has been connected with these Works since August, 1922, serving first on the student course and later in the Transformer Engineering Department. He leaves to continue his work along these lines at the Pittsfield Works, and the many friends he has made here will surely miss him. His popularity was well shown by the large group of friends who saw him off at the station on the coldest day of the year. Howell is the second president we have lost to the Pittsfield Works, K. O. Houser preceding him last October.

The officers elected for the coming term are as follows:

Helge G. Hoglund, of Purdue University—President.

H. Holland Whitney, Jr., of Tufts College—Vice-President.

Robert W. Groot, of University of Wisconsin—Secretary-Treasurer.

After a rising vote of thanks had been extended for the hard work put in by the retiring officers, the meeting adjourned.

The Squares got a flying start on their basketball schedule by defeating group No. 5 on January 7th, by the score of 16-13, and group No. 6 on January 14th, to the tune of 24-2. Captain T. R. Routh was the star in both games.

AMONG OUR ABSENT EMPLOYEES

M. S. Willson, retired, is now at his home at 2310 Hoagland avenue, Fort Wayne. Mr. Willson was a visitor at the Works recently, and stated he was feeling fine and in high spirits. We hope, Mr. Willson, you will come to see us again real soon, and in the meantime we bid you au revoir.

Lloyd T. Clements is now located at the American Legion Hospital, Legion, Texas. Friend Lloyd has given an account of himself on his sojourn in the Lone Star State, and we quote in part from his recent letter:—

"I am indeed very sorry I didn't get to see you on my flying trip home, but as I only had three days there I couldn't make the second visit to your office which I would have made had I had time.

"I think this is going to be a wonderful place; in fact, to tell the truth, I have gained about eight pounds out here with the Texas 'long-horns.' This is a wonderful place to chase the cure; in fact, that is all there is to chase. We have long rest hours here, and believe me they are spent in bed. From 9:00 to 11:00 a. m. and 1:00 to 3:00 p. m. After that we are free to do as we please.

"The scenery around here is wonderful and not only that, but we have some wonderful hunting out here, wild turkeys, deer, red fox and other small game.

"I think I am going to like it very much after I get used to some of the curious people. Give my best regards to all. Write."

Lloyd, we were glad to receive your interesting letter, and shall await further favorable reports concerning your good self.

John N. Kress is located at the home of his daughter, Mrs. Kemp, 2525 Broadway, Fort Wayne. The last word we had from Mrs. Kemp was, that her father was feeling pretty well. The day before our little tete-a-tete, she said her father had been to the tonorial parlors, and a few days previous to that expedition, she had escorted him to the Veterans' Headquarters in the Allen County Courthouse, where he participated in the installation of officers for the ensuing year. This is, without doubt, remarkable for one of Mr. Kress' age, and we extend to him and his family our very best wishes.

Clara Brown, whose home is at 3411 Barr street, Fort Wayne, is at present a patient at St. Joseph's hospital, having had to submit to a rather serious operation. The reports we have received from the personnel representative in 4-5, where Clara is employed as reinforcer, are favorable. We trust, Clara, that you will convalesce speedily, and offer our very best wishes to this end.

FRACTIONAL H.P. MOTOR SALES CONFERENCE A BIG SUCCESS

Fifty Representatives From All Parts of United States Guests of Local Dept.

January 7th, 1924, found approximately seventy-five members of the G-E Fractional Horsepower Motor Sales Department gathered at these Works for the purpose of discussing the various problems, which have arisen during the past year.

During the meeting we were honored by the presence of such noted men as J. G. Barry, vice-president in charge of sales; E. G. Waters, secretary of the sales committee; E. W. Miner, president of the General Contract Purchase Corporation; W. H. Coleman, Chicago Merchandise Department; G. S. Maxwell, supervisor of the Cost Department; J. A. Weatherbie, manager of the Supply Department, and W. A. Bowe, manager of the Commercial Service Department.

The meeting started at 9:30 Monday morning in Building 16-2, the first event being a trip through the Fort Wayne Works, which was enjoyable and educational to all.

The convention proper started promptly at 1:30, with Mr. A. J. Francis presiding. Mr. W. S. Goll delivered the address of welcome, which was followed by the opening address by J. G. Barry, who, after a very interesting talk, complimented the Fractional Horsepower Department very highly on the very satisfactory results achieved during the year 1923. The remainder of the afternoon was given over to the discussion of engineering papers, prepared by Mr. A. F. Welch and his staff; many valuable ideas and suggestions were brought out during these discussions.

Tuesday morning found everyone on hand, and throughout the day very interesting papers were read by members of the Engineering and Sales Departments.

Wednesday several new developments in the fractional horsepower motor line were exhibited. Probably the one that was of the most interesting nature to the salesmen was the new R. S. A. motor, which was developed and put into production some time ago. Immediately after lunch, Mr. E. W. Miner explained the deferred payment plan, which is obtainable upon devices which are equipped 100% with G-E fractional horsepower motors. After this Mr. W. A. Bowe followed with a very interesting talk on "Commercial Service." This is a service which enables the customer to receive a market analysis and publicity suggestions entirely free of charge.

The social program for the Sales Conference began on Wednesday with a dance at Kuckuck's Academy, given in honor of the visiting specialists, with the employees of all fractional

horsepower departments as the Sales Department's guests. This was a very delightful affair and was enjoyed by all present.

Thursday morning was spent in a series of discussions by and between the various district men. Thursday afternoon was turned over to Mr. C. I. Hall, who explained the development and construction of the new induction disc phonograph motor, in a very satisfactory manner, which was very highly appreciated by those present.

On Thursday evening the men attended the Majestic theatre, where a very enjoyable boxing card was arranged for their benefit.

Friday morning was spent in inspecting the Decatur Works, and here the men saw the modern methods of manufacturing employed at the Decatur branch.

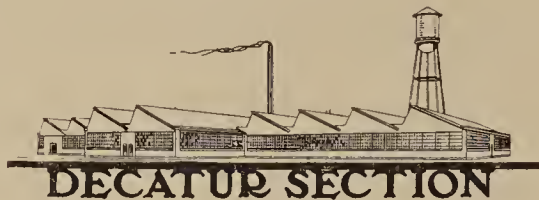
Friday afternoon W. H. Coleman, of Chicago, and A. W. Henshaw, of Schenectady, held sway, and once more an enthusiastic discussion followed.

This most successful and beneficial sales conference ever held by the Fractional Horsepower Sales Department was brought to a close Friday evening with a banquet held in Building 16-2, with 150 men in attendance. After the banquet many interesting and educational talks were given by T. J. Ryan, toastmaster; J. J. Wood, W. S. Goll, J. H. Evans, A. J. Francis and several others.

Saturday found the visiting salesmen leaving for their homes, feeling that they were more than benefited by their attendance and determined to produce their share of the business for 1924.

The following fractional horsepower motor specialists attended the conference:

D. A. Abbott, Omaha, Nebr.; O. E. Archibald, Schenectady, N. Y.; A. W. Bartling, Chicago, Ill.; E. J. Bodey, Cincinnati, Ohio; H. H. Bosworth, Cleveland, Ohio; R. E. Boyle, Cleveland, Ohio; R. C. Carter, New York City; E. C. Chatterton, New Haven, Conn.; C. L. Decker, New York City; C. R. DeLaGrange, Dayton, Ohio; R. J. Druhot, Minneapolis, Minn.; T. B. Ellis, Chicago, Ill.; F. J. Fitzgerald, Grand Rapids, Mich.; F. A. Fredrickson, Buffalo, N. Y.; W. H. Henry, Boston, Mass.; A. N. Johnson, Philadelphia, Pa.; E. C. W. Johnson, Indianapolis, Ind.; C. P. Kennedy, Pittsburgh, Pa.; I. C. Lamb, Chicago, Ill.; W. G. Littlefield, Detroit, Mich.; J. M. McNulty, St. Louis, Mo.; H. J. Miller, Los Angeles, Calif.; J. F. Myrick, Baltimore, Md.; D. C. Reinhardt, Chicago, Ill.; George Ruck, San Francisco, Calif.; T. J. Ryan, Cincinnati, Ohio; R. L. Schmidt, Chicago, Ill.; C. W. Tiffany, Syracuse, N. Y.; W. H. Tucker, New York City; K. L. Ullin, Davenport, Iowa; C. E. Wahl, Chicago, Ill.; H. V. Whitney, Philadelphia, Pa.; G. A. Wortman, Boston, Mass.



Firemen Hold Annual Banquet

The firemen of the Decatur Plant held their annual banquet January 16th at 6:00 p. m. in the Works' club room.

Mr. E. W. Lankenau acted as toastmaster of the event. The chairman of

the city council, the mayor, the Decatur fire chief and his assistant, and the Fort Wayne Works' fire chief and his assistant also attended this affair.

After the banquet the firemen and their guests were entertained by Professor Woodhouse with violin solos, accompanied by the piano, and later by a radio concert. Short talks were given by the mayor and George Krick, chairman of the council.

The banquet consisted of teabone steak, mashed potatoes and gravy, oyster dressing, slaw, pickles, olives, and cherry pie a la mode. The strawberry ice cream which was served with the pie was appropriately stamped on top with the G-E monogram.

Dance Held at Fort Wayne Is Attended by Many Local Employees

On January 9th the employees of the Decatur Works were enthusiastically looking forward to the coming dance in the evening at Kuckuck's Dancing Academy, Fort Wayne, where they would be the guests of the Fractional Horsepower Motor Commercial Department.

Not only did they go themselves but each invited a friend, a greatly appreciated privilege which was extended to them. Everyone admitted he had a good time, and it is through the Works' News the Decatur people wish to thank the Fractional Horsepower Motor Commercial Departments.

When it came time to go, two cars left Decatur for Fort Wayne, one at 7:00 p. m. and another at 7:30 p. m. Both cars were filled with capacity crowds—225 in all. When the cars reached Fort Wayne they were met by

MUTUAL BENEFIT ASSOCIATION OFFICERS

List of Officers and Where to Find Them

Sec.	Geographical Location	Chairman	Loca. Tel.	Secy.-Treas.	Loca. Tel.	Vice-Chairman	Loca. Tel.
1.	18-B, 1 and 2; all of 16; Watchmen and Janitors	Howard Miller	18-1 125	Dorothy Hormel	18-1 100	J. S. Dickerson	18-1 51
2.	4-2	John Kramer	4-2 391	Homer Roehm	4-2 363	N. Poland	4-2 363
3.	10 and 12	F. G. Fleming	10-3 271	Raymond Puff	10-3 308	Geo. Thiele	12-2 272
4.	17-1 and 2	Albert Shoenheinz	17-2 212	Frank Rathert	17-2 212	Geo. Grant	17-2 212
5.	6-2 and 3 Office; 6-1 Paint Shop; 6-2 all except Training Department	John Byrer	6-3 234	F. F. Wilson	6-2 265	W. S. Fitch	6-2 131
6.	4-5	G. F. Nieman	4-5 319	George App	4-5 378	Edward Klomp	4-5 319
7.	26-B and 1; 20 and 22	F. J. Schwartzkopf	26-1 237	George Reller	26-1 259	C. W. Atwater	26-1 237
8.	26-2	Ed. Leitz	26-2 301	Zoa Dodane	26-2 305	H. L. Bastian	26-2 154
9.	26-5 Toolmaking Department only	R. A. Bengs	26-5 395	F. E. Hickman	26-5 303	Wehler Porsch	26-5 303
10.	19-B	Wm. Miller	19-B 216	Forest Somers	19-B 216	Wm. Buuck	19-B 216
11.	19-1 and 3	R. M. Fox	19-3 331	Noah Baker	19-3 399	N. O. Leedy	19-3 128
12.	19-4 and 5	Harry Zimmerman	19-5 230	Fern Burris	19-5 408	Geo. Welker	19-4 228
13.	2-1 and 3 and all of 3	G. F. Rogge	2-3 241	F. Paul	2-3 241	W. Riley	2-1 225
14.	7, 8, 9, 11, 12-A, 13, 14 and 2-2	Chas. Brenner	17-1 268	N. G. Prince	8-2 270	Gene Potter	8-1 377
15.	17-3	Harry Waters	17-3 328	Gladys Binkley	17-3 344	Leo Stuckey	17-3 334
16.	4-4	Sam Newlin	4-4 2	Agnes Hohman	4-4 362	Martin Baral	4-4 362
17.	19-4 and 5	A. J. Braun	19-5 224	Kathryn Jenkins	19-5 224	Carl Reiling	19-5 280
18.	20-4	Earl Sweeney	26-4 285	Ruth Dixon	26-4 285	Elmer Shoenlein	26-4 285
19.	19-2	H. A. Pequignot	19-2 372	L. D. Meader	19-2 419	Otto Brunner	19-2 373
20.	4-B and 1	H. Bennigin	4-1 300	D. Franklin	4-1 300	C. Boyce	4-1 300
21.	6-B, 1, 3, 4, and 6-2 Training Dept. only	Harry Beltz	6-3 273	Harry Spackman	6-1 365	John James	6-2 151
22.	Decatur	Cash Lutz	Decatur	Zelma Roop	Decatur	Adam Shafer	Decatur
23.	19 Office	F. A. Bryan	19-2 134	Wm. Winner	19-5 296	A. G. Edington	19-5 115
24.	26-3	Tom Hildebrand	26-3 333	F. W. Schmidt	26-3 339	Harry Grim	26-3 339
25.	26-5 Apprentice and Spec. Mach. Dept.	Roy Bracht	26-5 217	Alice Whitaker	26-5 217	Tom Roberts	26-5 305
26.	17-4	Wm. Nessel	17-4 260	Helen Guth	17-4 260	M. Tobias	17-4 402
27.	Decatur	Joe Lunn	Decatur	Verena Miller	Decatur	Charles Baxter	Decatur
28.	27	H. C. Lepper	27-1 193	H. W. Struver	27 412	E. J. Meyers	27-1 412
29.	18-3, 4, and 5; 17-3 Office; GO Roll	E. K. Spiker	18-4 74	J. W. Felmlee	18-5 101	Walter Sunier	18-4 58
30.							
31.	4-3	Frank Quinn	4-3 206	B. M. Kline	4-3 289	Walter Knocke	4-3 288

a committee of salesmen from the Fractional Horsepower Motor Department and taken to the Kuckuck's Dancing Academy.

The hall was elaborately decorated in black and yellow. Tables stood in each corner, where everyone could drink punch and eat wafers to his heart's content.

The evening was spent in dancing and even the old people joined in the quadrilles which were called now and then. About 10:00 o'clock a two-step created much enthusiasm. At a specified time the music stopped, and the three couples who stood on the lucky spots received prizes. After the circle two-step came the serpentine confetti dance, during which bright-colored hats were given as favors.

Everyone took advantage of the good time offered, and the delightful affair was brought to a close at 12:30. With a unanimous vote, we say that the fractional horsepower motor salesmen are excellent entertainers.

Cars left Fort Wayne for Decatur at 11:00 p. m., 11:30 p. m., 12:00 o'clock, and 12:30 a. m., taking with them precious loads of happy people.

Salesmen Visit and Inspect Decatur Plant

The Decatur Plant was visited January 11th by one hundred or more salesmen of the Fractional Horsepower Motor Department. The salesmen said they were well pleased with the manufacturing system in use at Decatur.

Gecode Club Supper

The Gecode Club held its first meeting of the new year January 15th. A large number attended the supper, which was very good, indeed. The menu consisted of creamed potatoes, creamed peas, slaw, fresh country sausage (donated by Mr. Cal Wait, for which we thank him very much), jello, fruit cookies, and coffee.

After the business meeting, the girls were entertained by a radio concert. Mr. E. W. Lankenau, who operated the radio, tuned in to Chicago, Detroit, Pittsburgh and Omaha.

Decatur Athletics

Decatur G-E.....25 Lima College
Five24

The Lima College Five coming to Decatur highly recommended, lived up to their reputation very well, but were not strong enough to defeat the fast Decatur quintet. The Lima five scored one more point from the field, but Decatur's five points from the free throw line spelled defeat for the visitors.

Decatur G-E.....18 Ossian Maroons 14

The Decatur five defeated the Ossian Maroons in a rough game by the score of 18 to 14. The G-E quintet was leading at the half way stage by the score of 8 to 4. Both teams scored 10 points in the second half.

Girls Department



Industrial Service, Employment, and Medical Departments Celebrate

Carrie Burke, Jo Zimmerman, Helen Cook, Veda Schick, Luella Bullerman, and Luella Maisch held what was going to be a dinner party on January 11th. But a beautiful cake with nineteen (?) candles on it changed the affair into a birthday party because it was discovered that January 11th was more than a regular day—it was Carrie Burke's birthday. The girls ate until they really couldn't comfortably indulge in any more food. But just when this stage of the game arrived, Mrs. Schick brought into view a wonderful fruit salad with whipped cream—and everyone continued to eat. The girls really enjoyed themselves because (although they might hate to admit it), while the way to a man's heart is said to be through his stomach, girls enjoy eating just about as much as a man does.

Elex Club

We want all members of our Elex Club to reserve the night of February 13th so they can come to the Federation banquet and election of officers. We always have a good time with good entertainment at this annual meeting, and you will surely enjoy yourself if you make arrangements to be there. The banquet will be held either at Wolf & Dessauer's or at the Y. W. C. A. Watch our bulletin boards for further information.

And then, our Social Committee is already planning a party for some time in February. You see, we usually have one party every month—we call them calendar parties—and a girl who comes and enters into the spirit of the evening is bound to have a good time. Now that holiday affairs are over, we ought to have an unusually good crowd at our next party. Please try to come.

Y. W. Notes

The gym is open—Hip, Hip, Hoo-ray! Gym classes are started—Rah! Rah! And we are having a grand time down there 'most every night in the week with gym classes, volley ball, basketball, interpretive dancing, girls' Industrial League basketball games on Friday night, and a lot of other things. When the pool opens, a month or two from now, it will be busier yet. If you want a schedule of the hours for gym classes, etc., you can get one at the Y. W., or in the dining room, Building 16-1, by the cashier's desk. It is worth looking over.

If you want something to do on Sunday afternoons, come down to the "Y"

at 4:00 o'clock and hear some of the noted speakers who come to talk to us every week. Every one of these lectures or discussions is well worth listening to; refreshments are served afterwards, and you can enjoy a quiet afternoon in one of the comfortable couches in the lobby with a good book, or go to the library and read some of the magazines they have there—ah, what could be more inviting? Below is a schedule of programs for the next month or so. Notice who the people are:

February 3rd—Thomas Skeyhill, Australian soldier and poet, a world traveler. Subject: "The New Renaissance in Europe."

February 10th—Miss Clara Chapman Gilbert, of Kendallville. Subject: "Our Federal Constitution, Do We Make or Mar It?"

February 17th—Program in charge of Business and Professional Women's Club. Speaker, Miss Dorothy Detzer.

February 24th—Miss Ida M. Tarbell, Writer, Editor, Historian, Speaker. Subject: "Lincoln."

March 2nd—Membership Committee in charge.

March 9th—Speaker, Rev. Jas. A. Strachan.

March 16th—Special Program in charge of Industrial Federation.

March 23rd—Mrs. Forbes-Robertson Hale, of London, England, Writer and Lecturer.

March 30th—Program to be announced. April 6th—Membership Committee in charge.

April 13th—Easter Program. In charge of U. S. A. and U. P. D. Girl Reserves.

April 20th—Easter Sunday.

April 27th—Program to be announced.

Have you thought what a wonderful place the world might be if we all lived each day as if it were our last chance to make **memories** for those we meet and those we love?

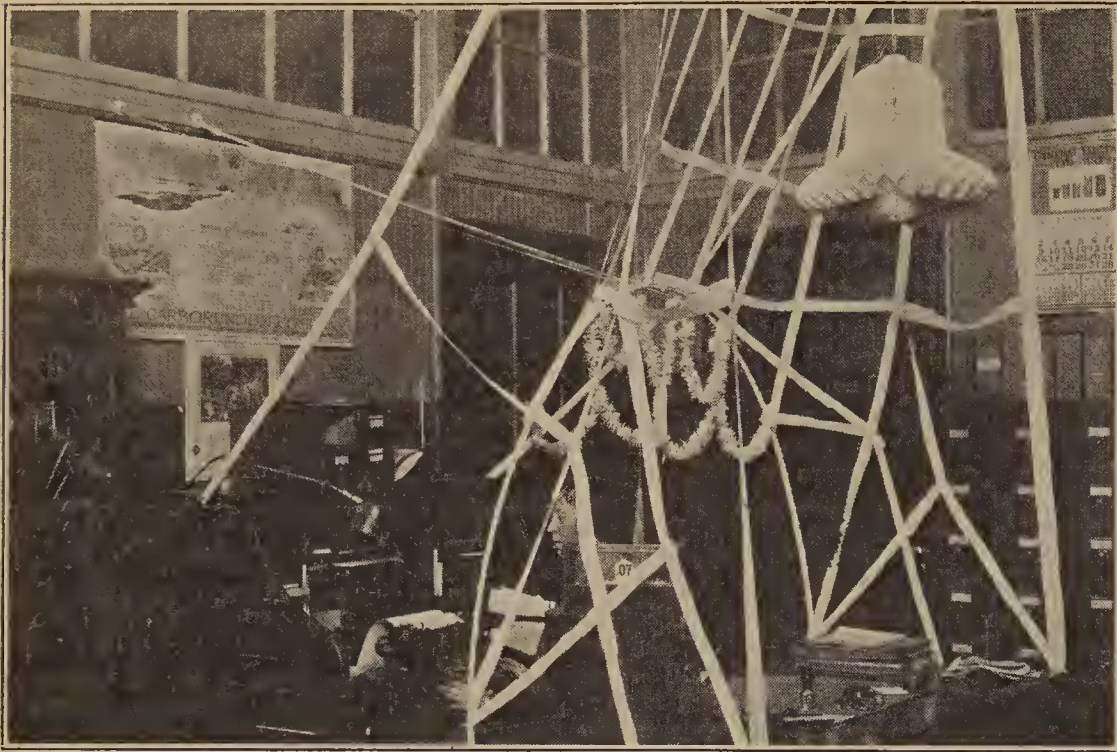
Geller-Gindlesparger

Who said a woman couldn't keep a secret? Whoever it was evidently didn't know just what he was talking about. Miss Lillian Gindlesparger, who is employed in Building 17-4, Small Motor Department, was married last September to Mr. Theodore Geller, but no one found it out until Mrs. Geller chose to tell the secret just recently.

Altenberg-Carpenter

Yes, we have no Miss Carpenter of the Tool Supply Department, but we do have Mrs. Robert Altenberg. This young lady planned to spend her Christmas in her auntie's home in Pittsburgh, Pennsylvania, but cupid in the last week before Christmas told Elnor to go with Mr. Robert Altenberg and be united in holy wedlock, so that they might proceed to Cleveland, Ohio, as one. Thus she did on December 20th.

When Mr. and Mrs. Altenberg arrived at the clerk's desk in the Cleveland hotel, the clerk noticed something peculiar about the couple and, after assigning them to their room, sent the



MRS. ROBERT ALTENBERG (nee ELNOR CARPENTER)

house detective up to investigate. First of all he asked them if they were married and, if so, where the license was. After everything was thrown out of the traveling bag, the license was found, much to the delight of the bride.

But that wasn't all. They were immediately ushered down to the dining room of the hotel where several hundred salesmen, their wives, and friends, guests of the Elliott-Fisher Adding Machine Company, sang, while the orchestra played, "Here Comes the Bride, Here Comes the Bride."

When Mrs. Altenberg returned to the Tool Department she found her desk all decked out in white with a big white bell hanging over it. She was given a Wayne fireless cooker as a wedding present from the employees of the Tool Supply Department.

Mr. Altenberg is local manager of the Elliott-Fisher Adding Machine Company.

Well, Elnor, here's wishing you and yours joy and happiness!

Bangert-Hattendorf

Helen Hattendorf, who formerly worked for Mr. F. P. Spiegel of the superintendent's office, was married to Mr. R. J. Bangert, of that office, on December 22nd.

On Monday morning, November 26th, Helen carefully looked up all of the trains on the Pennsylvania line which went to Indianapolis so that, as she said, she would know which one to take in case she went there to visit relatives over Thanksgiving. That afternoon Helen did not show up in the office. It later developed that all the time she was apparently looking up the trains to Indianapolis she was in reality looking up the trains for Pittsburgh, for that very same noon

she had taken the Manhattan, Ltd., for Pittsburgh.

After her office associates had recovered from their first shock of astonishment, they gradually drifted back into their usual routine of office work, and things went on as always until December 20th, when Mr. Bangert asked Mr. Simpson if he might be excused from work for the 21st and 22nd. Mr. Simpson acquiesced, and Bob did not show up until after the Christmas vacation. When he did show up he brought with him a box of cigars for the men and a box of candy for the girls, because he had come back to work a married man—and his wife was Mrs. Helen Hattendorf Bangert.

Mrs. Bangert visited the superintendent's office on January 9th, and she was looking better than she has looked for quite some time.

Betty Jane Puff

It was noticed that Mr. Raymond Puff of Mr. Fleming's office was absent from his desk Monday, January 7th, and every one wondered why. But he appeared on the scene the next day at noon with a healthy smile on his face and a box of cigars under his arm. Then he passed the cigars around with a "Have one on the girl. Her name is Betty Jane." Mrs. Puff will be remembered as Malinda Puff, who worked in Building 4-5 last summer. Congratulations!!!

Valentine-Sauerwein

Miss Mildred Sauerwein, secretary to Mr. E. A. Wagner, was given a pleasant surprise by the girls with whom she is employed, Wednesday evening, January 16th. A dinner was served at

6:00 o'clock in the club rooms of the company. The table decorations were carried out in pink and white, a miniature bride and groom forming the centerpiece. During the serving of the courses, the bride-elect was presented with a beautiful silver fruit basket and gifts of aluminum. Bunco was played following the dinner. Prizes were won by the Misses Iva Springer and Loretta Neeb, who, in turn, presented them to the bride-to-be. Music and dancing were also enjoyable features of the evening's entertainment. Those present were the Misses Catherine Sullivan, Loretta Neeb, Nora Landstoffer, Edna Yagerlehner, Irene Jackson, Iva Springer, Clara Jung, Gertrude Wagner, Rosamond Townsend, Laurine Noeth, and the honor guest.

Miss Sauerwein was married to Mr. Ralph Valentine, a draftsman in the Transformer Department, on Wednesday, January 23rd. We extend to them our heartiest congratulations.



MISS MILDRED SAUERWEIN and MR. RALPH VALENTINE

The St. Valentine's Day Party

Dan Cupid is a smart little fellow and he tells us that St. Valentine's Day is the one time in the year to have a party. So for those who are to follow his advice we have a few suggestions to offer.

First of all for the invitation:

"On St. Valentine's Day
Will you come to my party?
I'll see that you have
A welcome right hearty."

The Table

The table should be decorated with hearts and cupids. A paper table

**THE CENTERPIECE**

cover printed in St. Valentine's Day emblems with paper napkins to match makes this easy.

414783

The Centerpiece

As a centerpiece for the table just take a look at Mr. Cupid holding the key to the treasure chest.

Select a stout paper box and cover it with white crepe paper which has first been stretched and then crushed. Cut a strip of red crepe paper about one-half an inch wide for the bands around the chest. Stout handles of cardboard covered with crushed white crepe paper are attached to the ends of the chest. Red hearts are used at each corner to represent the brass corners on chest as well as for locks and catches.

Small red roses, arranged in sprays with maidenhair fern, are fastened in place on the box cover with spool wire tied through holes punched in the lid of the box. Clusters of hearts, suspended by narrow red ribbons and large bows of wide red maline, are also arranged on the cover.

A small Kewpie is dressed in a red costume made of crepe paper with frills of white crepe paper. The high-pointed hat is made of red crepe paper. White hearts are pasted to hat and costume as shown.

A large key cut from cardboard is covered with gold paper and fastened to the Kewpie's hand. A piece of spool wire wound around the ankles and tied through small holes in the lid holds the Kewpie in place.

The Costume

The pretty costume is made as follows: White crepe paper is used for the under flounce, sewed to the slip, with the lower edge frilled out slightly. The flounces are firmer if gathered on the sewing machine.

The hoop, which is made with the heavy wire, measures seventy-two inches in circumference and is wound with a strip of white crepe paper. A piece of white crepe paper six inches wide is gathered at both edges. The upper edge is sewed to the waist line of the slip and the lower edge around the hoop.

Medium coral crepe paper is used for the double frill on the bottom of the outer flounce, which is gathered around the hoop. A strip about three-quarters of an inch wide is twisted to make the finish around the waist.

A border from decorated crepe is used for the waist. The shoulder straps of the slip are covered with a double frill of white crepe paper, which also finishes the neck.

The leaves and blossoms from decorated crepe are cut out and arranged around the hoop.

The wide pink maline ribbon is arranged over the arms and tied in large bows on the shoulders. Hearts cut from pink cardboard, or from white cardboard covered with the coral crepe paper, are suspended with narrow pink ribbon from the hoop, at intervals around the skirt. Smaller ones are suspended from the shoulders.

The head-dress is made by fastening a pleated ruffle of white crepe paper at the back of two wire bands which

have been wrapped with pink crepe paper.

The ruffle is bordered with pink blossoms cut from the decorated crepe. A pink heart is attached to the wires across the middle of the forehead.

Games to Play

A game that is appropriate is called "Sweethearts." Each guest is given a list of professional men. The "Sweetheart" of each man must be guessed and written in opposite. The first on the list may be given as an example. The person who has the best record of correct names wins a prize.

- | | |
|-------------------------|------------|
| 1. Cobbler..... | Peggy |
| 2. Engineer..... | Bridget |
| 3. Fisherman..... | Nettie |
| 4. Upholsterer..... | Sophie |
| 5. Dancing Master..... | Grace |
| 6. Porter..... | Carrie |
| 7. Real Estate Man..... | Lottie |
| 8. Farmer..... | Tillie |
| 9. Chemist..... | Anna 'Lisa |
| 10. Clergyman..... | Mary |
| 11. Sexton..... | Belle |
| 12. Doctor..... | Fatience |
| 13. Gambler..... | Betty |

**THE COSTUME**

- 14. Humorist..... Sally
- 15. Baseball Player..... Fannie
- 16. Florist..... Rose

Whether each girl in the party is to be married or remain single can be proven by her ability to "shoot" Cupid's arrow through a wedding ring.

Attach a plain ring to a string and suspend it at a height of about five feet. Each contestant is asked to stand at a distance of ten feet and point a pencil at the center of the ring. She must then walk rapidly toward the ring and try to put the pencil through it.

The same position which was assumed when the aim was taken must be rigidly held. "Feathers" of bright red mat stock may be attached to the tops of the pencils, and if the pencils themselves are red they will make attractive favors.

A novel idea for selection of partners is to give each gentleman present a ball of string, on the end of which is tied a cardboard heart. A sheet is suspended in the door-way, the gentlemen on one side and the ladies on the other. Each man throws the heart over the sheet and the lady whom it touches writes her name on the heart.

Miscellaneous Notes

We were glad to see Gertrude Mertz back at her desk again, and hope that she will continue to be well so that we may be able to see her smiling face all the time. She has been absent for the past seven months on account of serious illness.

The new girls transferred from the Edison Lamp Works to the Mica and Insulation Department are Mary Boylan, Margaret Bartels, Caroline Inskeep, Lena Shuster, and Florence Wildason.

Mr. and Mrs. Clarence Kennedy paid us a visit during the Fractional Horsepower Motor Sales Convention. Mr. Kennedy was formerly employed in the Fort Wayne Fractional Horsepower Motor Sales office, and Mrs. Kennedy was formerly Miss Hazel Burch. Before her marriage, Mrs. Kennedy worked in Mr. Howard Miller's office.

Edith Peters of the Rate Setting Department, returned to work January 2d. She had been ill since December 8th with bronchitis.

Kathryn Reilley has been transferred to the superintendent's office, where she will work for Messrs. F. P. Spiegel and J. S. Dickerson.

More "Flappers!!"

Bulding No. 10-3 added two more girls to its list of "flappers" this last month in the persons of Alma Schneider and Bessie McClure.

Notice

In order to be in time for the March issue of the Works' News, all material for publication should be in the hands of your reporter or the section editor by the 11th of February.

ATHLETICS

G-E A. A

Y. M. C. A. Amateur Industrial Basketball League

The Y. M. C. A. Amateur Basketball League closed the first half of its season on January 7th. The Bowser quintet maintained its perfect percentage throughout, ending on top of the heap. The G-E A. A. representatives, losing their match with Bowsers, finished in second place. The games were well played and drew large crowds. The schedule of the first half will be repeated, the winners of the second half to play the winners of the first half for the season's championship. The standing of the teams at the half way stage was as follows:

	Won	Lost	Pct.
Bowser	7	0	1.000
G-E A. A.....	6	1	.857
Wayne Knit.....	5	2	.714
Dudlo	4	3	.572
Wayne Tank.....	3	4	.429
Corrugated	2	5	.286
Horton	1	6	.143
Pennsylvania	0	7	.000

In the first games of the second half, Bowsers, winners of the first half, defeated the Horton quintet 23-17 in a hotly contested and well-played game. The G-E A. A. had an easy time with Dudlo, defeating them 35-17. Corrugated defeated Wayne Tank 23-16, and Wayne Knits defeated Pennsylvania 30-8 in the other games of the evening.

Kreigbaum, of the Bowser team, is leading scorer of the league, with a total of 92 points to his credit. Bruce Hamilton, scoring from all corners of the court, ringing up nine baskets and two free throws. Bruce is also second in the league scoring and is followed by Hueber and D. Hamilton, both of the G-E team. The individual scoring of the G-E squad for the first eight games is as follows:

	Field Goals	Fouls	Points
B. Hamilton.....	28	5	61
Hueber	24	1	49
D. Hamilton.....	22	3	47
Rittenhouse	5	4	14
Lindemuth	0	1	1

Intersectional Basketball

Two games have been played to date in the Intersectional Basketball League, Section 1 (Bldg. west of Broadway and south of Wall street), Section 2 (Bldg. west of Broadway and north of Wall street), and Section 3 (Student Engineers) have won both of their games, while Section 4 (Bldg. 4), Section 5 (Bldgs. 16, 17, and 18) and Section 6 (Bldg. 6) have lost both of theirs. There are three games played each Monday night at the Central High School gymnasium. The games are free and everyone is welcome to at-

tend. The standing of the league January 18th was as follows:

	Won	Lost	Pct.
Section 1.....	2	0	1.000
Section 2.....	2	0	1.000
Section 3.....	2	0	1.000
Section 4.....	0	2	.000
Section 5.....	0	2	.000
Section 6.....	0	2	.000

G-E Girls' Basketball

Coach Kammeyer has been working his squad of girl basket tossers hard in preparation for the opening of the season, which is scheduled for January 25th. As a preliminary training the G-E squad took on the Bowser team, losing to them 14 to 26. Other games were as follows:

G-E Girls.....26	Lincoln Life Girls.....16
G-E Girls.....36	Bowser Girls.....34
G-E Girls.....35	I. B. C. Girls.....2
G-E Girls.....22	Garrett Independents 11

The G-E Girls defeated the Garrett Independents on their own floor in a game featured by close guarding by the score of 22 to 11. The Garrett team was leading at the end of the first half 11 to 8, but after the rest period the G-E quintet scored 14 points to their opponents' none and copped the contest.

Games in the Y. W. C. A. Industrial Girls' Basketball League started January 25th. Four teams comprise the league representing Dudlo, Triangle, Wayne Knit, and General Electric. These games will be played each Friday night at the new Y. W. C. A. gymnasium, which has a very fine seating arrangement, sufficient to accommodate all spectators. Everyone is welcome and our G-E team is anxious to have as many rooters out as possible to help them win the championship again this year. The following girls are members of the squad: Forwards, Hilda Walda (captain), Connie Stoll, Helen Bleke; centers, LaVera Vail, Edith Cottrell; side centers, Tressie Singrey, Agnes Dresou; guards, Iona Holzworth, Alma Olson, Anna Jennings, Helen Bleke. The complete schedule follows:

January 25th and February 15th:

Dudlo vs. Triangle.

G-E vs. Wayne Knit.

February 1st and February 23rd:

Wayne Knit vs. Dudlo.

G-E vs. Triangle.

February 8th and March 7th:

G-E vs. Dudlo.

Wayne Knit vs. Triangle.

Junior Industrial Basketball League

The Wayne Knit five is leading the Junior Industrial Basketball League with five games won and one lost. The league is composed of eight teams made up of boys working in the industries of the city. The games are played at the Y. M. C. A. gymnasium and are free to everyone. The schedule is divided

into two halves, the winners of each half playing for the championship. The standing of the league on January 18th was as follows:

	Won	Lost	Pct.
Wayne Knitting Mills.....	5	1	.833
U-Kno-Us No. 1.....	4	2	.666
Pennsylvania.....	4	2	.666
U-Kno-Us No. 2.....	4	2	.666
Dudlo.....	3	3	.500
G-E No. 1.....	3	3	.500
G-E No. 2.....	1	5	.166
Bowser.....	0	6	.000

While the G-E teams have not won all of their games they are deserving of considerable credit for the fight they have made and the spirit they have shown. The personnel of the two teams is as follows:

G-E No. 1		G-E No. 2
Wellman	Forward.....	Shafer
Stone	Forward.....	Pfeifer
Fletcher	Center.....	Hilte
Knauer	Guard.....	Bentley
Druhok	Guard.....	Ruby

Meter Department Bowling League

The Meter Department Bowling League completed the first half of its schedule with the Registers in the lead, winning 30 games and losing 15. The Covers finished in second place, winning 25 and losing 20. The Terminals and Bases finished in a tie, each winning 24 and losing 21.

The second half started with the Registers winning their first six games. The Bases, losing one game, are in second place. The standing of the teams January 17th was as follows:

	Won	Lost	Pct.	Ave.
Registers	6	0	1.000	753
Bases	5	1	.833	752
Covers	3	3	.500	740
Elements	3	3	.500	733
Magnets	1	5	.167	723
Terminals	0	6	.000	730

Bushing is leading the bowlers with an individual average of 169 for 47 games. Lawrence and Snyder are tie for second place with 168 and Hueber fourth with 167 for 39 games. Rietdorf's 253 is high individual score for the second half, with Bushing's and Lawrence's 234 tie for second. Snyder's 225 is third. The Registers rolled 945 for high team score for a single game and the Bases are high for three games with 2474 to their credit.

Small Motor Bowling

A team from Bldg. 4-5 consisting of Messrs. Foellinger, Meyers, Lantz, Nierman and Dotzer, defeated a picked team from Bldg. 4-3 in a very close game at the Lincoln Life alleys. The 4-5 bunch were victors by nine pins, the final scores being 2219 to 2210.

Industrial Water Polo League

The Wayne Knit squad won all three of their games in the first round of the Industrial Water Polo League. The G-E squad dropped one and won two, for second place. The Bowser team finished third and Dudlo fourth.

In the second round the G-E paddlers have won both of their games for first

place. The Wayne Knits and Bowlers have each won one and lost one game for second place. The Dudlo squad, becoming discouraged, have withdrawn from the league and have been replaced by the Triangles. While the Triangles have won both games played, their victories do not count in the standing.

These games are played each Wednesday evening at the Y. M. C. A. natatorium. No admission is charged and everyone is welcome to attend.

Notes

Bruce Hamilton, garnering nine baskets in the game with Dudlo, went into the lead of G-E scorers and second in the league.

To start the Intersectional League, all those teams west of Broadway won their first two games, while those east of Broadway lost their first two.

The girl basketballers, after a belated start, swung into action on January 25th at the new Y. W. C. A. gymnasium. The girls are very anxious to have a crowd of rooters down to witness their games.

Decatur is going in for basketball in earnest this year. None of them are too big for the Decatur squad to tackle as evidenced by the fact that they attempted to take the scalp of the mighty K. of C.'s of Fort Wayne. Naturally, the Fort Wayne team won but the Decatur five put up a good battle.



OWEN D. YOUNG

A Personal Sketch of a Man You Should Know About

When it was announced that Owen D. Young had been asked by the Reparations Commission to go abroad with Gen. Charles C. Dawes, to help balance the German budget and stabilize the mark, it meant that another boy who began life on a farm, and with no advantages save what hard work and his natural ability made for him,

had won his way to international reputation.

It is evident that the choice of Mr. Young to act as a member of the committee to deal with this exceedingly difficult situation, on the solution of which so much depends, has been approved by the country. The selection of business men to approach the problem from a purely business and economic viewpoint has seemed wise. And both men have the prestige of success, and of interesting though widely different personalities.

Mr. Young started as a farmer, the son of a farmer, and despite the fact that he is Chairman of the Board of the General Electric Company, and Chairman of the Board of the Radio Corporation, which he formed, he still retains his love for the farm and goes there whenever he has a knotty problem to decide. When some business affair is bothering him he drops out of sight for a few days, and probably few of his business associates know where he goes.

But a person who happened to wander through the fields near Van Hornesville, N. Y., might come on a lanky figure in old clothes, wandering along a rail fence, or more likely perched on top of it, watching the cows and thinking.

"I allowed I'd go up and set and think awhile" he told a friend once, "and I mostly set."

Then he would go into the old farmhouse where three generations of his ancestors lived, to sit some more with his mother and out of the quiet of his surroundings he evolves the answer to what is troubling him and takes it back with him to lower Broadway and business.

The simplicity of the generations of farmers in back of him is apparent in every phrase of Mr. Young's life. He is a tall, lean figure of a man, with dark hair and dark eyes, of slow and deliberate speech and movement. Golf and similar games in which many business men seek recreation do not appeal to him.

But because of this calm, deliberate attitude of mind, and his simple and direct attack on any question, he cuts through the superficialities which cloak a subject and reaches a conclusion founded on fundamental truths and fairness. That is why at forty-nine his opinion is sought by many of the world's biggest business men and has now gone abroad in the most perplexing financial problem confronting the world.

When other men argue and wrangle, he sits smilingly by, slouched down in a chair so that he seems about to disappear under the table, and when a deadlock seems reached he interjects a suggestion, or analyzes a situation, in a few direct words that solve the difficulties. That was a characteristic of him in youth, for a man who knew him

when he went to St. Lawrence University, once wrote of him:

"He was a slow moving, gangling fellow with six feet or more of physical and a million feet and possibly more of mental up-and-downness. Physically, he was thin, mentally he was not thin, but broad. He moved slowly, walked loosely as though there were plenty of time to get to the place he was going to, but even if he started late he always got there a little ahead of time. Even when he appeared to be standing still he was going ahead, and when others were waving their hands or talking he would sit still and just smile. He was always getting somewhere, for before the others arrived at a conclusion he would say just a few words, and there you had it, a mature conclusion from an elongated kid, but one that in a few minutes would have the approval of all the 'argifiers.'"

Mr. Young was born October 27, 1874, on a farm near Van Hornesville, where his people have lived since 1750. They were all farmers except when they served in the war of 1812 and the Revolution, and went no farther in public life than the local town and county offices. Mr. Young's father had a farm of 120 acres, and as Owen was the only son, it was necessary for him to work early and late. As he plowed he carried a book and snatched every moment he could to study.

Then one hot summer day he went to Cooperstown. He went to the courthouse and heard two lawyers trying a case. The court room was cool, and the lawyers seemed to be having an easy, conversational time. Owen thought of the hot hills and decided then and there that if men could earn money as easily as the lawyers he was going to be a lawyer. There wasn't much chance apparently for him to get a legal education, for he could not be spared from the farm and there wasn't enough money to send him to college.

But finally his uncle, John Brandow, went to help Owen's father and the boy went to Springfield Academy in East Springfield, N. Y. Every Monday morning his father drove him to school with a cheese box full of food to last a week. When the time came to think of college he wanted to try for a Cornell scholarship, but competitors had to be seventeen years old and Owen was only fifteen. The president of St. Lawrence University went to Van Hornesville one day to preach and he became interested in the boy and encouraged him. And finally a way was found. Mr. Young's father borrowed \$1,000 and he went to St. Lawrence. With that money and what he earned he went through college and the Boston University Law School, from which he was graduated in 1896.

He began the practice of law within a week with Charles H. Tyler, of Boston, and soon after the firm of Tyler and Young was formed. Much of his work was with public utilities and he became

interested in the electrical industry, then just at the beginning of its rapid growth. He was so able that he attracted the attention of Charles A. Coffin, who formed the General Electric Co., and when the counsel for the company died Mr. Young was asked to succeed him. When the question of salary was raised, he said:

"I am not interested in the amount of salary you pay me, except that I would like to have you pay me less than others holding similar responsible positions. I would much rather have the organization feel I was underpaid than over-paid."

"Whatever success I have made in business has come because of not trying to elevate myself away from the men with whom I worked," he once said. "I have tried to stick as close as possible to their problems, to make their problems my own—to see through their eyes. The man who can put himself in the place of other men, who can understand the working of their minds, need never worry about what the future has in store for him."

The result of this desire of his to be fair and help, was that when Mr. Coffin retired in 1922 Mr. Young was selected to succeed him as Chairman of the Board, when he was only forty-eight. He had already in 1919 become Chairman of the Board of the Radio Corporation, which he formed at the earnest solicitation of government officials, so that an American company might be strong enough to compete in the air with the foreign radio monopolies. The formation of that company was a difficult undertaking, and probably only a man of Mr. Young's personality could have accomplished it.

That not more is known of him is due largely to the many demands on his time, and his simple way of living. Week ends to Mr. Young mean opportunities to be with his family, and when the weather permits they all get into an automobile and drive up to his unpretentious little house in Riverside, Conn. There he does his share of the cooking, plays with his dogs, or fishes a little, and dresses in the oldest clothes he can find.

Or else he goes back to the farm, now an estate of 700 acres, to see how his pet herd of Holsteins are getting along. Cows are his only hobby, and once he laughingly said that it was much more important to him how much milk his prize cow gave than any problem that could confront him. He has largely made over the little town of Van Hornesville, where his mother still lives in a house far more comfortable than the old one, and it is not at all an unusual sight to see the Chairman of the Board sitting in front of a store swapping stories and jokes with those to whom he is still "Owen." The simple things of life still mean more to him than anything else, and to that probably is due his success.

THE DETROIT EDISON COMPANY

(This is the fourth of a series of articles dealing with public utilities—customers of the General Electric Company—in which the G-E Employees Securities Corporation has invested part of the savings of those G-E employees who hold its bonds. The material for this article was furnished by Mr. J. S. McCarthy, of the Detroit Edison Company.—Editor.)

"Detroit, Where Life Is Worth Living." A flower bed in Grand Circus Park, on the very edge of the city's business district brings this message, in bright colored flowers, to all who pass on this beautiful sunny day in midsummer, 1903. North of the park stretches Woodward avenue, lined with beautiful homes, set well back from the street. Fine old shade trees cast their shadows across the broad, well kept lawns.

Thus in the year 1903 despite its 225,000 population, Detroit still has the appearance of a pretty, peaceful country village. The horse and carriage is a familiar sight in its streets. The last vestige of the days of old Fort Pontchartrain, the original settlement on the site of the Detroit of today, has disappeared. There is, on the other hand, little visible indication of the miraculous growth which the city is so soon to know.

Ten years later, Detroit is on the verge of becoming "Dynamic Detroit." Its population has doubled since 1903. The automobile is no longer an experiment. It has passed the luxury stage, and is practically a necessity. And the City of the Straits is already the hub of the automobile universe. For miles up and down the river the waterfront has been developed. Some of the fine Woodward avenue homes have disappeared, for business has begun its march northward.

In another ten years the city's population has again doubled. Detroit's boast of "A million by 1920," has come within an ace of being realized. The number of automobiles the city's many plants turn out annually staggers the imagination. The Woodward avenue mansions are gone, or have been remodeled for business purposes. The fine homes are now located far out in sections of the city which were farmland twenty years ago, or have gone to the swiftly growing suburbs. The business of building automobiles has brought hundreds of thousands of men and women to Detroit. From the river the city presents a skyline which reminds one of New York. The industrial life, outside the automobile industry has grown apace, and widely diversified products are now manufactured here. All this, and much more, has transpired in 20 years.

It was in 1903 that the Detroit Edison Company, which serves this great community, was incorporated, taking over the securities and business of The Edison Illuminating Company, and Peninsular Electric Light Company,

KEEPING FIT CONTEST

Standing of Major Departments for 1923

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Meter Department.....	16.15	12.24	24.20
2. Contributing Departments.....	28.51	27.55	3.37
3. Fractional H.P. Motor.....	23.33	23.10	1.00
4. Induction Motor.....	5.14	5.11	.58
5. Building and Maintenance.....	12.51	14.29	—14.22
6. Apparatus	6.18	7.16	—15.85
7. Transformer	8.16	10.55	—29.28

which owned all the electric distribution franchises outstanding for Detroit and its environs. Despite the phenomenal growth of the city the Detroit Edison Company has at all times kept pace with this expansion, and has furnished service amply adequate to meet every demand.

Headed by Alex Dow, one of the great, outstanding figures in the public utility field, this concern's growth has been as extraordinary as has that of the city which it serves. The few, easily understood figures which follow will substantiate this statement. In 1903 the Company's outstanding capital stock was \$5,000,000, while in October, 1923, it was \$43,000,000. In 1903 Detroit Edison's generating capacity was 6,500 electrical horsepower. Today it is 480,000 electrical horsepower. At the time of its incorporation the current output was less than 14,000,000 kilowatt hours; in 1923 it was 1,361,800,000 kilowatt hours.

Three steam plants supply the major portion of the energy produced. The Connor's Creek plant, with a capacity of 240,000 horsepower, is the largest of these. A fourth plant, now under construction, will surpass the one at Connor's Creek, as it is to have a capacity of 400,000 horsepower. Part of the new plant goes into operation this year. Forty miles west of the city, on the Huron river, are five hydro-electric plants, with a total capacity of 7,800 horsepower. These are operated in synchronism with the Detroit plants.

Supplying excellent electric power facilities at all times, the Detroit Edison Company has been a vital factor in the growth of the city of Detroit. Many of the city's great factories are operated with central station power supplied by the company. In addition the Company conducts a considerable steam heating business in the city, supplying heat from a central station. In 1922 this service required the burning of 140,000 tons of coal.

The Company has earned an enviable reputation for square dealing,

both with its customers and its employees. This has been an added factor in its great success. The Company's service building, containing the general office of the concern, has a large auditorium, capable of seating 600 persons, on the top floor, and a cafe, where meals are served daily. The cafe will take care of approximately 600 persons per hour. From this building the Company maintains a General Electric wireless broadcasting station, used for broadcasting load dispatching work with the various power plants.

Interesting Facts Concerning
Detroit Edison
Company

134 cities and villages served.
6,000 employees.
360,000 customers.
3 steam plants operated.
5 hydro-electric plants operated.
93 substations operated.
4,257 miles of transmission lines.
23,628 miles of conductors.
\$26,400,000 gross earnings, 1923.
1,361,800,000 kilowatt hours, output during 1923.
480,000 electrical horsepower generating capacity.

KEEPING FIT

Meter Department Wins Banner

The Keeping Fit Banner for 1923 went to the Meter Department, which won the contest with quite a large margin, as shown by the standing of the various departments as given above.

The banner was presented to the employees of the Meter Department by Mr. Goll, who congratulated them on their good record for the year and ad-

monished them to do as well or better for the year 1924.

Inter-Plant Contest

This year we are to enter an inter-plant "Keeping Fit" contest; that is a contest between the various General Electric Co., plants. A method similar to the one used in our own plant, will be used to place all plants on an equal basis. Of course we expect the Fort Wayne and Decatur Works to win this contest, but we will have to work hard for it, as some of the other plants have had good records.

December a Record Month

As shown by the "Jinx" Bulletins December was the record month for 1923, with three lost time accidents per thousand employees.

Our record for the last year was not as good as we would liked to have made it. Let's make each of the remaining forty-eight weeks of this year a campaign week for safety. We can make a good record if every one will do his best to keep fit.

Record Departments for 1923

The following departments went through the entire year without a lost time accident:

Department	In Charge of
Transformer Stock.....	C. A. Price
Transformer Type H Boxing.....	A. Sheean
Transformer Experimental.....	H. Aumann
Standardizing	H. Rohrbaugh
Meter Assembly.....	Wm. Lageman
Meter Test.....	L. Klingman
Meter Exp. Lab.	G. E. Hoglund
Fract. H.P. Motor Exp.	Wm. Nessel
Fract. H.P. Motor Spc. Mach.	L. O. Ramsey
Fract. H.P. Motor Rep. and Ret.	F. A. Smith
Fract. H.P. Motor Sand Blast and Japan	J. F. Blakeley
Fract. H.P. Plating and Finish- ing	G. Platts
Induction Motor Assembly.....	Wm. Starke
Induction Motor Stock	A. R. Spencer
Induction Motor Test	R. Harruff
Switchboard	E. Steinau
General Test	R. Hoffman
Ice Machine Test.....	C. Gettys
Painting	W. Thain
Sheet Metal	S. A. Bickel
Pattern Shop	G. Thiele
Tool Supply.....	H. Peters



Broadway around the world



Compare these huge turbines with the tiny lamp used by surgeons to examine the inside of an ear, and you will realize the variety of G-E products. Between these extremes are lamps, motors, generators, switch-boards and other equipment—all tools by which electricity works for you.

The biggest machines built by the General Electric Company are steam turbine generators of 80,000 horse power, used in great power houses.

One of these giants could generate enough current to run all the street cars in twelve cities as large as Wilmington or Spokane. Ten could light a street as bright as Broadway running around the world.

GENERAL ELECTRIC

995-22

One of a Series of G-E Advertisements
Now Appearing in General Magazines



March 1924



SERVICE TO CUSTOMER

Within our plant is a very interesting department which specializes in giving service to our many customers who use the fractional horsepower motor product of our plant. The name of this department is the "Repair and Return," and it is virtually a separate factory in that all kinds of motor manufacturing operations are carried on here.

Our cover illustration features this section of our plant. In the view may be seen winding machines, lathes, assembling benches, test devices, and motors in all stage of completion are thick hereabout. At first thought, it might seem that nearly all our motors come in for repairs, but when it is considered that hundreds of thousands of the little motors are sent out from our plant each year, it will be realized that a mighty small percent of them ever find their way back. It is to aid our customers, to repair these relatively few, that this department is organized. Our cover illustration and this short story as well should bear evidence that we are interested in our product and the service that it gives long after the price paid by the customer is safely deposited in the bank to the G-E Company's account.

Thousands of motors and generators, and odd repair parts are handled by this department during the course of a year. And despite this volume of business many emergency repairs are made and the motors returned to the customers on the same day that they are received. It may also be of interest to know that on this work no attempt is made to profit at the customer's expense. If a motor fails to give the service reasonably to be expected of it the repairs are made gratis and all other work is billed to the customer at what it costs.

A very efficient force of men and women are employed in this work. Under the direction of Foreman F. A. Smith and Assistant A. Vegalues, this department handles not only a great volume of work in the way of repairs and rebuilding motors and generators, but also salvages many serviceable motor parts which will be useful in the future in quickly making repairs.

FORT WAYNE WORKS NEWS

VOL. 8

MARCH, 1924

No. 3

FIRST AWARDS TO G-E EMPLOYEES UNDER THE CHARLES A. COFFIN FOUNDATION

Two Fort Wayne Works Men Share in the Honors

THE first awards to employees of the General Electric Company under the provisions of the Charles A. Coffin Foundation have just been made. The achievements on which they have been based are inspiring, a vivid record of individual initiative and courageous effort. To read it makes one realize the ingenious application of intelligence, technical skill and scientific knowledge, and dogged persistence which creates, builds and puts into human service the machines so necessary for the comfort, progress and industrial development of our country.

No man could read the whole record of the services for which these awards have been made without a genuine thrill of pride at being a part of the organization which contains within itself so many brilliant and loyal men—and women, be it added, for a woman takes her place in the ranks of the forty-eight to whom awards have been made for the year 1923. One gets a glimpse of the human effort that is so often concealed behind the rows of vast buildings, and dwarfed by the mighty machines that leap from men's minds and take shape under the guidance of their hands. For back of the machine, back of the tool, back of the blueprint and the design, is the human mind and skill that gives it form; gives, gives always because of pride of workmanship and accomplishment.

The Charles A. Coffin Foundation was established for the purpose of according wide recognition to individual initiative and co-operative effort. It was demonstrated in this first year of its existence, by the drawing together of these many accomplishments, that the General Electric Company is a structure built and upheld and pushed forward by the co-ordinated efforts of men. And it has shown that to those who strive always to see in their work something new, something worthy of all their efforts, there comes a day when the mind leaps to seize the opportunity presented, leaps to claim and fashion an idea and make it serve not only he who gave it birth but the community at large. And to see men create from the intangible stuff of their minds something that will help industry and the world is to deny for all

time that there is no romance in business.

The men who have won these awards are of all ages and from every department. Two of them who did an apparently simple but so important a thing, the removal of tips from incandescent lamps, were only thirty-two and thirty-five years old. Others have grown gray in the practice of their profession. They range from brilliant engineers, men like William LeRoy Emmet, who devised a method of utilizing the energy of mercury vapor, to a stenographer, Isabelle Douglas Barron, who thought of a better way to keep records of relations with customers.

The records are not all of startling inventions or new methods. The master of human relations, he who can "keep his head when all about are losing theirs and blaming it on him" is just as important in industry and commercial dealings on a large scale as the inventor or the shop man who builds. Guy Bellows and John B. Cox, in their railway work in Brazil and Mexico, showed coolness and tact and high integrity which stamped them as something more than engineers and salesmen. It was a remarkable tribute to character when the Mexican Railway asked Mr. Cox to represent them in their dealings with the Company.

Take the case of Oliver J. Nicklaw, expert armature winder in the Contract Service Department, at Schenectady, and "Nick" to those who are fortunate enough to know him. He went out to India to help rebuild some generators for the Tata Hydro-Electric Power Supply Co., Ltd. One of the officials of that company wrote this of him:

"He left with the good wishes of everyone. I don't think there is a single man in our organization who had anything to do with Nick who did not respect and like him.

"It was not only in his own work of rewinding the generators that Nick distinguished himself. Several cases came up of other urgent and important work quite outside what he had come out here for, and not a whisper of complaint could have been uttered if Nick

had taken no part in it. Knowing Nick as you do, however, you can guess that this did not represent his ideas of how a man should act. Consequently on every occasion of this sort Nick was always in the thick of it.

"A generator broke down in operation—through failure of the old Siemens windings—Nick helped in repairs.

"A special expert Englishman was sent out especially by the English Electric Company to remove the rotor of one of the generators and reshrink it. He got cold feet on the job and literally bolted. He packed his grip and left the camp for Bombay. Nick and his friend, the superintendent, stepped in and took hold of the job and carried it through successfully.

"Nick got on well with everyone, even the humblest coolies whom he always treated with consideration. Before leaving Khopoli he donated forty rupees to these men for a bean feast. They have not recovered from it yet. It is the first time in their lives that a white boss has ever shown any thought and feeling for them.

"This will best illustrate the effect on Tata of Nick's efficiency. For the Tata power job, everyone is saying they wish the generators could be G. E. They could then be shipped dismantled at a great saving to us, and built up at site by Nick. Nick opened everyone's eyes as to what a conscientious man who 'knows how' can accomplish."

Anyone who makes that sort of an impression on a customer is not only a good workman, an ingenious engineer, but more than that, he is a man. Fortunately, there are a good many like Nick in General Electric.

There was William J. Streader in charge of maintenance and equipment in the Wire and Cable Department, Schenectady. He saw a \$3,500 cylinder go to pieces one day because a weight safety valve did not work properly. So he sat himself down and thought up a spring valve to do the work better. Valves are his hobby and delight as well as his job, and there are many other valve improvements to his credit in the last year. Valves can't be good enough for him.

Out in the National Lamp Works in the mechanical laboratory is a machinist named Francis Rippl. He didn't like the way lamp bases were soldered. So he devised an entirely new method of soldering by means of a basing, soldering and flashing machine, which

next to the tipless lamp, has been the greatest recent contribution to the Mazda lamp industry.

The tipless lamp was invented by Louis Edwin Mitchell and Arthur James White, two foremen in the National Lamp Works. There had been many other attempts to make tipless lamps, but they were not successful. These two men had been with the National Lamp Works since they were boys. They learned everything about lamp manufacture, and when they started out to make tipless lamps they made them right. When the opportunity came to them they were ready.

Ludwig S. Walle was a draughtsman in the Switchboard Engineering Department at Schenectady. He had been at his board a good many years, but he had kept on thinking. He saw that the applications of solenoids were limited and that some mechanical means had to be devised to take their place. He worked at home making a model, which was not taken very seriously. Then he worked out a centrifugal tripping mechanism, and was told that it was too radical. But they couldn't discourage Walle, and he was finally transferred to work where he would be able to experiment. His work is now the basis of the MK mechanism used in automatic switching equipments. It was a new idea, so new that it had to buck the bogey of "standard practice," but Walle put it over.

W. L. Delahanty is a salesman in the San Francisco office. A short circuit back of a switchboard in the Pacific Portland Cement Company plant blew six panels to glory one day last December. Delahanty started at 3 o'clock in the morning and found a mess in the power house. Nobody seemed to know what to do. So he got into overalls and went to work, cleaned up the mess, ordered new equipment, and when it came installed it. Just four days after the short circuit the place was in working order again and Delahanty had a chance to catch up on sleep. That is the kind of service which G-E gives whenever the emergency makes it necessary.

There was every kind of personal achievement in the 150 nominations sent in for consideration by the committee which made the awards. Of these seventy-nine were selected for final analysis and forty-eight finally chosen from the 80,000 employees of the company. There were ten shop workers selected for awards, ten foremen, sixteen engineers, six commercial men and one woman, and five administrative employees. Each was awarded a certificate of the Foundation in recognition of their accomplishment, and a sum of money from the \$11,000 available each year for this purpose.

Those in the Fort Wayne Works who received awards are:

ENGINEERS

WILLIAM F. FRISCH, Manufacturing Engineer, Transformer Section, who

New York, N. Y., February 7, 1924.

Mr. W. S. Goll,
Manager, Fort Wayne Works.

Dear Mr. Goll:

The first awards to employees under the Charles A. Coffin Foundation, established by the Board of Directors in 1922, have been decided upon by the Special Committee selected from among the members of the Advisory Committee.

The certificates of award will be sent to you by the Secretary of the Charles A. Coffin Foundation for presentation to the employees named in the attached list.

Among the thousands of employees there are many who have shown striking originality, initiative, and loyalty to the Company, thereby not only increasing their own efficiency, but also stimulating the interest of their fellow employees and promoting their welfare and satisfaction in their work. A large number of names were submitted for consideration and it was no small task to decide upon those finally selected to receive the awards for the year 1923.

I wish to express my personal gratification that so much fine work of a highly constructive character was accomplished in the year 1923 by the employees in all departments of the Company. This sentiment is cordially endorsed by the members of the Advisory Committee, all of whom have taken a keen interest in the splendid achievements of the year.

Mr. Charles A. Coffin has been informed of the work of these men and women and desires that his cordial congratulations be extended to them.

Yours very sincerely,

GERARD SWOPE.

has been with the Company eleven years. Mr. Frisch developed a method and machine for automatically testing transformers and other devices. His development eliminates the element of risk to humans in making the tests. The speed of testing was increased, yet the test is better than the old one, being more accurate in every way.

ADMINISTRATIVE EMPLOYEES

J. W. CRISE, Works Accountant, who has been with the Company seventeen years. Mr. Crise devised and put into operation a method of inventory control through Material and Apparatus account through segregation of various accounts. His system is now in successful operation.

Those in the other Works who received awards are:

SHOP WORKERS

PAUL JOHNSON DURRETTE, Panel Assembler, Switchboard Department, Schenectady. Mr. Durrette suggested that the chalked wiring diagrams on the back of switchboard panels be photographed instead of sketched. His suggestion eliminated unnecessary labor and secured greater accuracy.

JOHN FLAWS, Machinist, Edison Lamp Works, developed vacuum tube grid winding by machine, increasing accuracy of manufacture and effecting economies.

GUSTAVE D. HOLMBERG, Annealing Works, Pittsfield Works, suggested application of rust to grey iron castings in order to prevent formation of hard scale when annealed.

VINCENT JARMAN, Machinist, Edison Lamp Works, developed in collabora-

tion with Louis Wenner method and equipment for the accurate spacing, cutting and forming of continuous coiled filaments.

JOHN EDWARD MULLARKY, Steam Fitter, Molded Insulation, Schenectady. Mr. Mullarky modified valves and changed piping used on steam and waste water lines leading to and from moulds in order to obtain quicker heating and cooling of moulds.

FRANCIS RIPPL, Machinist, National Lamp Works, developed with J. T. Fagen, a basing, soldering and flashing machine.

DANIEL E. SIMPSON, Machinist, Switchboard Department, Schenectady, invented a waterproof fuse holder sought by engineers for a long time. Mr. Simpson made a sketch of a design which was accepted.

J. G. SMITH, Automatic Machine Operator, West Lynn, devised method for more efficient operation in filling potential coils with iron laminations.

WILLIAM J. STREADER, Maintenance of Equipment, Wire and Cable Department, Schenectady, has been steadily vigilant in overcoming difficulties in the manufacture of high tension cable. He has devised many valve improvements.

HUBERT WHEELER, Wire Enameler, Lynn River Works, improved method of enameling .003 copper wire.

FOREMEN

E. H. BALLARD, Brass Foundry, River Works, Lynn, advocated and caused to be installed many safeguards to health and physical welfare which have gone far to make for excellent working conditions in the foundry.



J. W. CRISE
Works Accountant

He has established the finest relationship with his workmen.

LOUIS EDWIN MITCHELL, National Lamp Works, with Arthur James White, developed the method and type of equipment which make possible on a commercial scale the manufacture of tipless incandescent Mazda lamps.

ARCHIBALD WILSON NISBET, Heat and Light Department, Schenectady, has brought the Schenectady Works Power House to a very high degree of efficiency. He has been extremely resourceful in problems of applying steam to manufacturing processes.

CARL A. SALMONSEN took charge of the Punch Press Department in the Schenectady Works in 1923 when conditions were very unsatisfactory. Under his leadership working conditions have been materially improved and without change in piece rate the average earnings of the department have gone up 20 per cent.

WILLIAM B. SHANABERG, Edison Lamp Works, directed and taught operatives during development of unit machine operation. Also achieved successful results in similar work in France and Italy.

WESLEY B. STETSON, Lynn River Works, organized with remarkable success a department for manufacture of an absolutely new line of marine appliances, calling for a greater degree of exactness and accuracy than anything before attempted on a large scale in the Works.

FREDERICK M. VOGEL, West Lynn Works, developed a low bench and model chair which have been introduced into various parts of the factory with excellent results, and which have been enthusiastically received by the workers despite the fact that they first opposed them.

LOUIS WENNER, Edison Lamp Works, developed in collaboration with Vincent Jarman, method and equipment for the accurate spacing, cutting and forming of continuous coiled filaments.

ARTHUR JAMES WHITE, National Lamp Works, developed, with Louis E. Mitchell, the method and type of equipment which make possible on a commercial scale the manufacture of tipless incandescent Mazda lamps.

LOUIS WULFF, Pittsfield Works, developed method of using scrap material in place of expensive wood, pressboard or hard fibre, as coil supports in transformers.

ENGINEERS

THEOPHILUS F. BARTON, Central Station Engineering Department, Schenectady, brought about improvements in motor generator sets for use in substations for transforming the alternating current supply in big cities to direct current for the Edison three wire system.

L. F. BLUME, Transformer Engineer, Pittsfield Works, developed method of regulating transformer voltage under load.

WILFRED CAMPBELL, Mechanical Research on Turbine Engineering, Schenectady. Did important work in the correction of turbine wheels and buckets for dangerous vibration. He made it possible to predetermine a close approximation of wheel and bucket behavior at the time the design is laid out.

W. B. CORDES, Marine Superintendent, New York Office, displayed great presence of mind and quick action in preventing accident to crowded electrically driven ferry boat.

ALVARADO LEROY ELLIS, Assistant Director Thomson Laboratories, Lynn. In recognition of work in collaboration with Edward M. Hewlett and associated engineers in developing a new type of marine appliance of far-reaching importance.

WILLIAM LEROY EMMET, Consulting Engineer, Schenectady. In recognition of his distinguished achievements in solving scientific and practical problems pertaining to the generation of electrical energy which have resulted in its more general use on account of greater availability and lessened costs and in special recognition of the mercury vapor system.

EDWARD M. HEWLETT, Switchboard Engineering Department, Schenectady. In recognition of his outstanding accomplishment in conceiving the idea of a new and important type of marine appliance and in collaboration with associated engineers in its development.

M. L. KENNEDY, Erecting Engineer, Boston Office, for his services in rendering valuable assistance to and winning the high regard of a customer under exceptional circumstances.

PAUL A. KOBER, Chemist, Edison Lamp Works, developed commercialization of the use of dyes which, subjected to specific temperatures, become fixed in color and are therefore of the greatest value as temperature indicators. This is of great importance in ascertaining what takes place within sealed-in Mazda lamps.

EDWIN J. MURPHY, Engineer, Searchlight Department, Schenectady. In recognition of work in collaboration with Edward M. Hewlett and associated engineers in developing a new type of appliance of far-reaching importance.

OLIVER J. NICKLAW, Expert Armature Winder, While representing Contract Service Department, Schenectady, rendered services in India in doing more than he was supposed to do, and in making a friend of a customer as well as all those he came in contact with.

CHRISTIAN STEENSTRUP, Supervisor of Mechanical Research Department, Schenectady. Has worked for years in applying hydrogen brazing to manufacture processes. The results have been of great value.

JOHN FRANKLIN TRITLE, Electrical and Mechanical Design, Railway Equipment Engineering Department, Schenectady. Invented and perfected a new and unique type of high speed circuit breaker. This will be a important factor in the solution of the high voltage direct current railway electrification problem.

LUDWIG S. WALLE, Draughtsman, Switchboard Engineering, Schenectady, devised a centrifugal tripping

mechanism, previous tripping devices having been unsatisfactory. It is both novel and of great commercial value.

WALDO W. WILLARD, Engineer, Switchboard Department, Schenectady. In recognition of work in collaboration with Edward M. Hewlett and associated engineers in developing a new type of marine appliance of far-reaching importance.

COMMERCIAL MEN

ISABELLE DOUGLAS BARRON, Stenographer, Pittsfield Works, originated, while doing stenographic work, condensed record of relations with customers.

GUY BELLOWS, Field Engineer, Railway Engineering Department, Schenectady, undertook the installation of the Paulista Railway in Brazil and carried it through under difficult local conditions. He had to meet all engineering and sales problems.

JOHN B. COX, Field Engineer, Railway Engineering Department, Schenectady. Carried on all the engineering and commercial negotiations leading up to a contract for ten 150-ton locomotives and auxiliary equipment for the Mexican railways.

W. J. DELEHANTY, Salesman, San Francisco Office. For promptly restoring to service electrical equipment of the Pacific Portland Cement Company, threatened with a shut-down of long duration.

C. C. McDOWELL, Salesman, Buffalo Office, first in our Company to conceive and recommend the practice of putting up in standard packages small renewal parts for compensators and similar devices.

J. O. ROSER, Central Station Department, Pittsfield Works, suggested scheme whereby sources of business secured in distribution and small power transformers could be analyzed and studied.

E. W. SMITH, Assistant Manager, St. Louis Office, for exemplifying the highest type of commercial ethics in his relations with members of the electrical industry.

ADMINISTRATIVE

DR. W. H. BUNN, Works Physician, National Lamp Works, Youngstown Division. Dr. Bunn by his intelli-



WILLIAM F. FRISCH
Manufacturing Engineer, Transformer Department

gent analysis and correction of conditions in the Youngstown Works did a notable work in safeguarding the health of workers in that plant. His work has been praised by one of the most critical health organizations in the country as being of outstanding importance.

ALBERT DEPUY, Duplicator Service, General Office, Schenectady, successfully organized a central duplicator service bureau and applied the duplicator process to replace more costly forms of producing copies of matter.

MILTON CASH JONES, Supervisor, Tabulating Section, Statistical Department, Schenectady, worked out the application of the electrical printing tabulating machine to a section of our most detailed tabulating work while this machine was still in an experimental stage.

A. J. PILON, Cost Clerk, Pittsfield Works, suggested special shear for separating base from rim for the new steel tank distribution transformers. Will result in large economies.

These awards to employees complete the first year of the active existence of the Charles A. Coffin Foundation, established for the purpose of encouraging and rewarding service in the electrical field. The results in the first year have already been more than anticipated, for they have focused attention on achievements which otherwise might have been known to only a small group, and in this way have tended to raise to a constantly higher level the standards of the electrical art.

There are four groups to which awards have been made by the Foundation—public utilities, electric railways, graduates of American Colleges and technical schools, and employees of the General Electric Company.

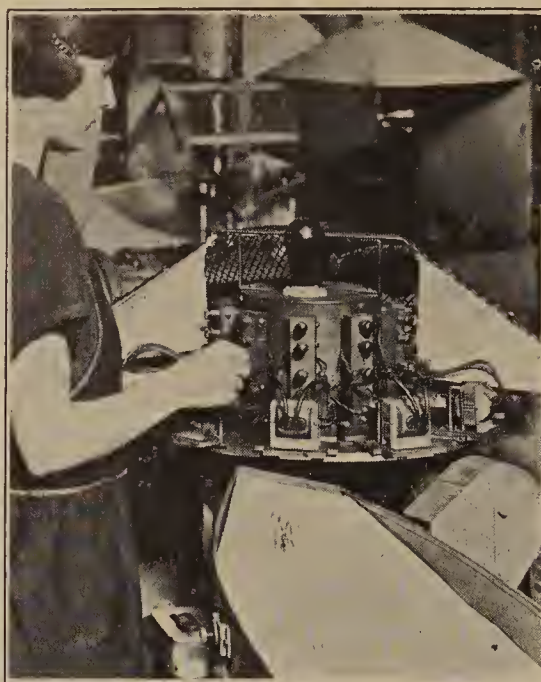
The Charles A. Coffin medal for service to the public and the industry in the public utility field was won by the Southern California Edison Company.

The Charles A. Coffin Medal for the greatest contribution to public service in the electric railway industry was won by the Chicago, North Shore & Milwaukee Railroad. Seven fellowships were awarded to college graduates doing research work. These awards to employees of the company are the last of the series.

The committee which made the employees' awards after careful consideration of all the nominations was composed of Gerard Swope, chairman; J. G. Barry, A. G. Davis, G. E. Emmons, A. H. Jackson, G. F. Morrison, C. E. Patterson, F. C. Pratt and F. S. Terry.

About Mr. Frisch and His Accomplishment

Wm. F. Frisch started out rather early in life, in the year 1903, as an employee of our worthy competitor, the Westinghouse Electric and Manufacturing Company, at East Pittsburgh, Pa. He took an apprenticeship course at the Westinghouse Electric in cable making, turbo-generator winding and electrical testing. On the completion of his three years' apprenticeship course he took up constructive engineering



**AUTOMATIC TESTING MACHINE
DEVELOPED BY MR. FRISCH**

work and followed it for three years with the Westinghouse Electric and thence for two years with the Fort Wayne & Wabash Valley Traction Company. It was in 1912 that Mr. Frisch came to work here at the G-E. Being admirably trained in construction work he followed this same work for our company. In 1916 when our local works organization was greatly changed, Mr. Frisch was transferred to the transformer department to assume work as a manufacturing engineer. It has been in the course of this line of work that Mr. Frisch has developed the automatic testing machine which is described below.

The Automatic Testing Machine Developed by Mr. Frisch

The award to Mr. Frisch, under the Charles A. Coffin Foundation as was stated in the general report on awards printed elsewhere in this issue, is a method and a machine for automatically testing transformers and other devices. It is now in use in Bldg. 26-3 for testing bell transformers. This machine is very simple to operate. All the attention it requires is that the operator shall close the switches controlling the various testing circuits leading to the machine, start the motor which drives the turret conveyor and then place the transformers one by one on the turret as it revolves, pressing the four transformer leads under spring contacts. The machine then does the rest. The turret revolves slowly carrying the transformers with it to the induced voltage, core loss, open circuit, short circuit, connection ratio and high potential tests. Under any of these tests should a transformer fail to fall within the required limits it is automatically ejected from the turret into a bin, a separate bin being provided for transformers rejected from each of

the tests. The transformers which pass all tests are carried on and automatically discharged from the conveyor into a final bin, from whence they may be taken and packed for shipment.

The machine will test 4,000 transformers in an eight-hour day and do it accurately. It will continue to throw out a defective transformer every time it is placed on the conveyor. Neither is there any guess work about it when a transformer is passed as O. K. The operator handles no live leads and he has plenty of time in which to place the transformers on the turret as it slowly revolves. That the machine is an outstanding development is evidenced by the decision of the committee which on the basis of its development has seen fit to honor Mr. Frisch with an award. This interesting automatic turret testing machine is illustrated in the accompanying cut.

About Mr. Crise and His Accomplishment

At the age of nineteen, J. Walter Crise became very sure in his mind that he wanted to be, above all things, a railroad telegraph operator. A six months' training at Valparaiso University gave him sufficient knowledge of telegraphy to secure and hold down a job of this kind at a little station on the Pennsylvania lines near Chicago. In fact, as is the usual custom in these smaller stations, Mr. Crise was the whole station force. He received and sent dispatches, but he also made out bills of lading for freight shipments and sold passenger tickets, checked baggage and kept the station clean. At odd times, he tells us, he even pulled the levers in the nearby switch-tower, to accommodate the tower man when he might especially wish to be away from the job for an hour or so.

After six months on this job, our friend Crise was transferred to Fort Wayne on a clerical job which oftentimes meant long hours and heavy work.

Not so long thereafter he secured a transfer to the claim agent's office at Pittsburgh. Here he found most interesting work and was well satisfied until a discussion arose over matters of office routine. Crise then left the Pennsylvania Company and came back to Fort Wayne looking for other work. A friend here suggested that Mr. Crise apply at the Fort Wayne Electric Works for a job. This he did, and was at once put to work assembling meters out in the "Old Lab," now Bldg. 16, where we now have our restaurant and recreation rooms. This was in the summer of 1906 and it was the beginning of his unbroken term of employment with our Company.

Mr. Crise assembled meters for several months. Finally a man with clerical training and experience was wanted in the Auditing Department,

and Mr. Crise was transferred to the office to tackle the job. Under Mr. Nold, who was then head of the department, Mr. Crise secured experience in nearly all the lines of accounting work handled by the Auditing Department. At the discontinuance of our Fort Wayne Electric Works sales organization, Mr. Crise and an assistant, closed the accounts of the discontinued Commercial Departments. This added to his general experience in accounting matters, so that when Mr. J. H. Evans was made Production Manager and there was an opening as head of the Accounting Department in 1918, Mr. Crise was well fitted for the job.

The Method of Accounting Developed by Mr. Crise

Briefly, Mr. Crise's plan is based first on the segregation of the material accounts into three principal divisions,

Raw material,

Material in process of manufacture, and

Finished stock or apparatus.

Raw material is again sub-divided into about twenty different principal classifications, such as copper wire, copper bar, sheet steel, brass, castings, forgings, etc. The books are kept so that the value of each one of these classes of material is shown for each department of the Works and the entries are made from various transfer tickets and orders. At the end of each month a statement is prepared showing the value of each class departmentally and this information is available for the supervisor of inventory to check up each department and determine whether or not we have too much money tied up in raw material. This information you can readily appreciate is of great value to the Company as it enables the management to follow very closely their investment in material which runs into hundreds of thousands of dollars. That this plan is an outstanding development is evidenced by the award which has been made to Mr. Crise under the Charles A. Coffin Foundation.

HOW YOUR STOCK SUBSCRIPTION AFFECTED YOUR REPORTED EARNINGS FOR PAST YEAR

Where stock is sold by a corporation to employees for less than market value, the difference between the market value and the price at which the stock is sold constitutes taxable compensation of the year when the transaction is completed, under the income tax laws. This means that if stock having a market value of \$136 per share when sold, is sold to employees at \$112, the difference between \$136 and \$112,



A PICTURE IN A G-E EMPLOYEE'S HOME

"Here, Louisa, is that \$100.00 G-E Employees Securities Bond, which I have been paying on since last April. To make it possible the Company have been deducting \$2.00 per week from my pay. Now we have the Bond, which draws 8% as long as I am employed with the Company and if I sign an interest order and allow the interest to remain with the Company, until it amounts to \$10.00, then it will be converted into a Bond, when it will begin to earn 8%. You know, Louisa, it has been a hard pull to get what little we have, but it has only been by saving a little here and a little there, that we have our home. Now, Louisa, we will put this Bond in a safe place, either in the Bank Safety Box or I am sure the Company will take care of it for us, then we will watch it grow into a real savings fund."

or \$24, would constitute taxable compensation. This \$24 is compensation because of the relation between the corporation and the employee. A corporation has no power to make any gift to employees. Anything of value received by an employee from the corporation for which he works is presumed to be in payment of services, and therefore constitutes either wages or salary.

This applies to stock purchased by employees of the General Electric Company, which purchase was completed in 1923. The market price of the stock at the time it was sold was \$136 per share. The Company made certain contributions against such purchase price so that while the employee agreed to pay the market price he actually paid only \$112 per share. The difference of \$24 represents the amount contributed by the Corporation and under the ruling of the Commissioner of Internal Revenue is taxable as salary or wages in 1923.

All employees, therefore, who purchased G-E stock at the agreed price of \$136 per share are required to report

as additional compensation, in income tax returns filed in 1924, the difference between \$136 and the total amount deducted by the Company from the wages of such employees. In practically all cases this difference amounted to \$24. By reporting this \$24 as additional compensation the stock, for taxable purposes, will be deemed to have cost the employee \$136 per share. In case this stock is sold by the employee, the profit or loss will then be the difference between \$136 and the amount at which the stock is sold.

The Massachusetts and New York State Tax Bureaus have adopted the same ruling for reports of individuals subject to income tax in these states.

*"Let the howlers howl,
And the prowlers prowl,
And the growlers growl,
And the grumblers go to it;
Behind the night
There is plenty of light,
And things are right,
And I know it!"*

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Wade Reed.....(G-E A. A.) Athletics
Dorothy Hormel.....Girls' Department
G. R. Gawehn.....Illustrations
Verena Miller.....Decatur Works

REPORTORIAL STAFF

P. A. Shober.....Electro-Technic Club
LaVera Vail.....Ellex Club
Glenn Cox.....Apprentice Association
Russell Haruff.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. E. Hall.....Quarter Century Club
K. Szink.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
G. J. Doss.....G-E Squares
Josephine Zimmerman.....Absent Employees

Vol. 8 MARCH, 1924 No. 3

OVER HALF OF OUR EMPLOYEES BUY BONDS

That the employees of the Fort Wayne Works appreciate the benefits of saving and realize the value of the G. E. Employees Securities Corporation Bonds is evidenced in the hearty response given to the opportunity to purchase these bonds. This privilege was offered to those who had been in the employ of the company for at least six months. Subscriptions, either by cash or deductions from payroll, were received from February 8 to February 15.

In order to be sure that the proposition was presented to every employee individually, solicitors were appointed to carry on this work. Mr. F. G. Duryee, Fort Wayne Works Bond Director, as general chairman supervised the general work of the undertaking. Mr. E. L. Simpson was appointed leader of the factory teams and selected as his assistants Mr. Walter Bell, for those buildings west of Broadway, and Mr. Harry Hire for those buildings east of Broadway. Mr. H. E. Crane was chairman of the office section.

A grand total of \$376,240 worth of these bonds was subscribed by 2,509 subscribers, making an average of \$149.56 per subscriber. Last year the total subscriptions amounted to \$302,250, divided among 1,841 subscribers, making an average of \$164.18 per subscriber. The most remarkable gain is in the increase of the percentage of total employees buying bonds. Last year's figures show that 37.6% of our

employees took advantage of the offer compared with a percentage of 53.8% of this year.

The Decatur Works in particular has a record of which they can be proud. Twenty-four thousand four hundred and sixty dollars of the total came from 176 subscribers at that place. This represents an average per subscriber of \$144.66 and a subscription from 60% of the workers there.

A word of appreciation from the management to the workers, team captains, etc., might be in order here. No expression could be a more fitting tribute than Mr. Goll's letter to Mr. F. G. Duryee, bond director and general chairman of the undertaking, which follows:

February 19, 1924.

Mr. F. G. Duryee:

To yourself and your associates and the team captains, having in charge the recent offering of General Electric Employees Securities Corporation Bonds, I take occasion to extend my heartiest congratulations upon the success of your undertaking. The total subscription exceeded that of last year by a very safe margin, and this is a record of which you may well be proud.

Yours truly,

WALTER GOLL.

AWARDS ON SUGGESTIONS

The Committee on Suggestions announces the following awards made on suggestions up to February 27:

Mr. Wilbur E. Tibbits, an award of \$5.00 on a suggestion to place the shop order numbers on all small motor test tags. This idea saves the time of the assembler, repairman and tester as they do not have to go to the office for the shop orders. Mr. Tibbits is an employee in the Small Motor Repair Department in Bldg. 4-4.

Mr. Floyd Baxter, an award of \$5.00 on a suggestion to adopt a systematic method of parking the automobiles belonging to employees at the Decatur Factory. This scheme eliminates the confusion resulting from indiscriminate parking. Mr. Baxter is employed in the Inspection Department in the Decatur Factory.

Mr. Ralph J. Roop, an award of \$5.00 on a suggestion to install an air cleaner for cleaning the shaft centers, on the motors built at the Decatur Factory, before grinding the shafts. This device is more convenient for the grinders and eliminates the possibility of poor grinding due to dirt in the centers. Mr. Roop is an employee in the Grinding Department at the Decatur Factory. Mr. Roop and Mr. Baxter are the first two employees from our Decatur branch to receive rewards on suggestions.

Mr. Fred Zehenter, an award of \$5.00 on a suggestion to build a rack for storing pressboard collars used on transformers in Bldg. 26-3. This rack

saves time in locating the collars for a job as the entire lot does not need to be moved or examined in order to find the one wanted. Mr. Zehenter is an employee in the Transformer Stock Room in the west end of Bldg. 26-3.

Mr. Jay O. Kelly, an award of \$10.00 on a suggestion to use a different spacing of holes for the "J" bolts in the conservator type transformer covers. This spacing simplifies the operation of drilling and assembling the covers. Mr. Kelly is an employee in the Tank Shop in Bldg. 27.

Mr. Wm. C. Wiedelman, an award of \$5.00 on a suggestion to furnish the M. B. A. secretaries with a special ledger for keeping the records of their sections. This ledger is a convenience for the secretaries and also aids in auditing the books. Mr. Wiedelman is an employee in the Electrical Maintenance Department in Bldg. 2-1.

During the year 1923 the Fort Wayne Works Committee on Suggestions received 496 suggestions and paid out \$285 in awards. The highest award made was \$50.00. Considering that this was the first year that the suggestion system was in operation the committee feels that a very good start was made. Our employees are becoming aware that the suggestion system is a very convenient method of turning their ideas into cash.

DEATH CLAIMS PAID DURING MONTH OF JANUARY, 1924

Employees	Died	Beneficiary
<i>Schenectady</i>		
Richard S. Kayka	Nov. 6	Children
Anna M. Flannsburg	Dec. 16	None
Michael Ruscitte	Nov. 21	Wife
John J. McCue	Dec. 19	Wife
George Sessera	Dec. 24	Wife
William Gordon	Dec. 25	Wife
William H. Corr	Dec. 19	Wife
Grover C. Bouck	Dec. 28	Wife
Charles Peterson	Dec. 30	Wife
Walter S. West	Jan. 1	Wife
George H. Gardineer	Jan. 1	Wife
Wilfred M. Kelly	Jan. 2	Wife
William A. Ross	Jan. 2	Wife
Elon Crounse	Jan. 3	Wife
Mary H. Reilly	Jan. 13	Mother
Raymond W. Bradt	Jan. 15	Wife
Chas. W. Whitfield	Jan. 20	Wife

River Works

Jas. P. Harnett, Sr.	Dec. 26	Son
Jeremiah Hohnson	Jan. 4	Wife
Daniel Morrison	Jan. 7	Wife
Etta M. Brown	Jan. 11	Mother
Gustaf Johnson	Jan. 9	Wife

West Lynn Works

James Donaghue	Nov. 18	Mother
Wm. H. Hosman	Jan. 10	Mother

Pittsfield

Gio Massacani	Oct. 19	Mother
Attilie Grancesani	Jan. 2	Wife

Fort Wayne

Fred Schroeder	Nov. 15	Children
----------------	---------	----------

Erie

Julius Kluzenski	Jan. 8	Brother
------------------	--------	---------

Bloomfield

Andrew R. Lauder	Jan. 7	Son
Cornelia E. Hopping	Jan. 16	Mother

Bridgeport

Jeanie Earl	Dec. 24	Sister
-------------	---------	--------

Japan I. G. E.

Chuzaburo Tsukamoto	Sep. 1	Wife
---------------------	--------	------

Total\$41,950



JOHN WILKINS

JOHN WILKINS NOW A GRADUATE APPRENTICE

John Wilkins graduated from our machinist and toolmakers apprentice course February 11, 1924. He was given three months credit on his course for doing good work, he received a "Certificate of Apprenticeship" and was also awarded a one hundred dollar (\$100.00) bonus.

Mr. Wilkins was born in Bluffton, Ind., but received his education in the Fort Wayne public schools. After finishing the eighth grade he attended vocational high school for two years, coming from there to enroll in our apprentice course, February 3, 1920. He is now working in the special machine department 26-5.

FOREMEN GIVE VALENTINE PARTY

Nearly three hundred people attended the big Valentine party given by the Foremen's Association on February 14. The affair was for all foremen and their families, and as considerable effort was given to the arrangements, the party was a grand success. Oscar Weitzman, chairman of the entertainment committee, and his assistants, had every detail so arranged that there were no dull moments, children and grown-ups alike having their particular tastes supplied in the way of entertainment.

The guests were received in Bldg. 16-1 and were directed at once to the second floor where the game of Bunco was started. The tables all were filled and the games were a source of much enjoyment. At 9:15 the winners, and the worst losers, were announced and the prizes distributed. While the par-

ents were playing Bunco, the children were being royally entertained in the north dining room with games and motion pictures. After the Bunco games all collected in the north dining room where the Knoxes, Chautauqua entertainers, gave a delightful program of impersonations and musical selections. Motion pictures then entertained all the guests until the lunch hour arrived.

There was the same enthusiasm shown for the lunch number of the program, as for those that preceded it. Here the foremen, especially, showed the effects of their past training for the event. A dance program followed the lunch and it was at least another hour before the party showed any signs of breaking up.

CHIEF WURTLE CELEBRATES SEVENTIETH BIRTHDAY

On Friday, February 15, Chief Wurtle of our Fire Department, celebrated his seventieth birthday. His birthday was not until the following day, but the Chief was not consulted as to the arrangements, the celebration being in the nature of a surprise. At 5 o'clock the firemen took him in charge and led him out to the firemen's headquarters where a big dinner was spread. In place of the candles the numbers 70 were done in fiery red on the great frosted birthday cake. It goes without saying that the Chief and his firemen enjoyed the feed. At the finish of the meal another surprise was sprung on the Chief. At this time he was presented an envelope which on being opened was found to contain seventy crisp new one dollar bills. It is needless to say the Chief was agreeably surprised.

Following the dinner the men enjoyed pool and cards until a late hour, before they finally departed wishing the Chief many more happy returns of his birthday.

G-E SQUARES

G-E Squares Select Officers for Coming Year.
Farewell Smoker for Departing Members Great Success.

During the first week of February, the Squares lost two more of their active members, both of whom had served as officers during the past year.

On January 31, Guy A. Jennings, who was secretary and treasurer of the organization, left to continue his work in fractional horsepower motor sales with the Philadelphia District Office. Jennings has always been active in affairs of the Squares, and served in office for the greater part of his time here.

Gerald J. Doss left us on February 2, for Schenectady, where he will take up large apparatus testing, in prepara-

tion for future work abroad with the International General Electric Company. Jerry was vice-president and unusually active in social and athletic affairs.

The long-looked-for smoker was held on January 30 in the form of a farewell party to Doss and Jennings. An attendance of 90 per cent of the members showed that enthusiasm was not lacking in any degree and it did not lessen throughout the evening. Chairman Paul A. Vance of the social committee was in charge and provided a varied entertainment in the form of radio, piano solos by O. E. Vester of the Apprentice Association, songs by a quartet consisting of Vance, Eitman, Stinson and Whitney, with Masters accompanying on the guitar; community singing, a buffet lunch and card playing.

On Tuesday, February 5, the regular monthly meeting was held in the club rooms of Bldg. 16-2. At this meeting the following committees to serve during the ensuing year were announced by the newly elected executive board, consisting of President H. G. Hoglund, Vice-President H. H. Whitney, Jr., and Secretary-Treasurer R. W. Groot:

Membership Committee—P. A. Vance, chairman; A. B. Simmons, W. J. Morrill.
House Committee—T. R. Routh, chairman; J. F. Eitman.

Constitution Committee—J. C. Porter, chairman; A. E. Slater, C. H. Ridgley, P. S. Stough.

Social Committee—A. A. Ralston, chairman; G. H. Stinson, L. O. Adams.

Athletic Committee—L. O. Adams, T. R. Routh, C. C. Davidson.

G-E APPRENTICE ALUMNI ASSOCIATION

The first event on the alumni calendar for 1924 proved to be a decided success. It was a five-man team bowling tournament, for members only. Anyone who had ever seen a bowling ball was eligible. After our gang had congregated at St. Paul's Hall, the place of activities, the teams were picked by drawing numbers from a hat Hank Klingenberg passed around. (We don't know how much he collected.) This method of picking the teams resulted as follows: Team No. 1—C. F. Roembke, D. Smith, J. Rosencrance, E. Horning and E. Souerwein; Team No. 2—H. Adamske, O. L. Weitzman, C. M. Hildebrand, W. Greiner and L. Roebel; Team No. 3—E. Knocke, J. Rippe, K. Stole, C. A. Brenner and E. G. Stock; Team No. 4—B. B. Byanski, L. Welbaum, C. Lare, J. Craig and C. Bracht; Team No. 5—H. Klingenberg, J. Miles, V. Asher, R. Clark and E. Kammeyer. The following scores were made: No. 1, 1,954; No. 2, 2,095; No. 3, 2,376; No. 4, 1,503, and No. 5, 2,094. Team No. 3, it may be observed, was high, and Team No. 4, low. It was heart-breaking for Team No. 5 to be beaten by Team No. 2, but H. Adamske couldn't miss those pins in that last frame.

It might have been an off night for

most of us as far as bowling was concerned, but there sure was plenty of fun and entertainment for everyone. Quite a bit of the amusement was furnished by Bernie Byanski, who had the pin boys scared, because he must have thought the bowling ball a baseball the way he threw it down the alley instead of rolling it.

The next event on the program will be a doubles tournament at St. Paul's Hall, Wednesday evening, February 27. This should prove to be a bigger event than the last one, as many who could not take part in the first tournament have signed up for this one.

The entertainment committee has made plans to have some kind of entertainment or other event each month and each one better than the previous one. Come on, Alumni members, let's show the people that we are live wires. Let's go. E. G. S.

WAR MEMORIAL TO BE ERECTED AT OUR PLANT

To Bear Names of All Local Works
Employees Who Served During
the World War.

Definite plans have been made to erect here at our plant a memorial to the seven hundred odd employees of the Fort Wayne Works who served their country during the World War. The memorial will take the form of a great flag pole, having a heavy granite base bearing bronze tablets on which will be inscribed the names of all those who left our factory and offices to join the various branches of organized military service during the late war.

To the Foremen's Club must be accorded the credit of starting this move which assuredly will result in the erection of the memorial. In fact, the Foremen's Club has secured bids on proposed plans for the memorial and will take the initiative in the general campaign for funds which is planned for the near future.

In regard to this memorial, Mr. Goll has expressed himself in these words: "I am heartily in sympathy with any movement to commemorate the heroism of these men." Undoubtedly this same sentiment is held by every employee of this Works. With all contributing toward the memorial it will stand as an expression of the gratitude of all of us to those who served. It has been thought that a fitting time to dedicate this memorial would be November 11, "Armistice Day." At this time there seems to be no reason why this cannot be done and the present plans are to work toward this end. The memorial will be placed in the triangular plot of ground between Building 19 and Broadway.



SAFETY LESSONS FROM HISTORY
THE IDES OF MARCH.

SAFETY HINTS FROM HIS- TORY (THE IDES OF MARCH)

History tells us that the Ides of March, the 15th according to our calendar, was an unlucky day for Julius Caesar. Disregarding all warnings to make himself scarce or employ the necessary safeguards, he appeared in public and was struck down.

The soothsayers warned him of what was coming. They were supposed to have supernatural powers but it is more likely that they had the "low down" on the plot that was being hatched against him.

Mrs. Caesar, otherwise known as Calpurnia, begged her husband to play safe. He was almost persuaded but when Brutus and Cassius came along and told him that the warnings of Calpurnia and the soothsayers were a lot of safety first bunk, Julius decided to take a chance and go along. He may have had his suspicions but he felt that being cautious was unbecoming to the first citizen of Rome. He had plenty of courage but there was one thing he was afraid of—that other people would think he was afraid. As a result, he fell with fifty-seven dagger wounds showing plainly.

The Ides of March is still a dangerous day for the fellow who thinks that an accident is something that happens to someone else. It is full of traps for the jay-worker, jay-walker or jay-driver, and there are thirty other days in March which are just as dangerous.

But to the man who uses his head and watches his step all days are safe.

—National Safety News.

Don't do dry cleaning indoors.

Don't store oily rags in closets, stairs or corners—they may ignite spontaneously.

Don't start fires with kerosene.

Don't leave the electric iron or curling iron connected while you go to the door, telephone or call on the neighbors.

Don't wait till you hear the siren to find out how to get out of the building in which you work or to learn the fire drill rules.

PROF. ELIHU THOMSON OF LYNN WORKS AWARDED LORD KELVIN MEDAL

Lynn, Mass., February—Prof. Elihu Thomson, one of the founders of the General Electric Company, and among the world's most eminent electrical engineers, has been awarded the Lord Kelvin gold medal and will go to England during the coming summer to receive it July 11.

The award was made by British and American Engineering Societies acting jointly. It is awarded every three years as a mark of distinction for excellence in original research work in engineering. Prof. Thomson is the first American to receive this honor.

Professor Thomson became professor of chemistry and physics in the Central High School in Philadelphia in 1876, the centennial year. Being interested, in very early life, in electricity, he began work in dynamo and electric lighting development while teaching. The result of the work was the establishment of the American Electric Company in New Britain, Conn., devoted to the construction of the then known Thomson-Houston electric arc lighting system, which had features which made it preferable to others, especially its possession of an automatic regulator. The interests were brought to Lynn more than forty years ago by Charles A. Coffin, a prominent shoe manufacturer who later became president of the General Electric Company, and only recently retired from this position; Henry A. Pevear, Patrick Lenox, W. Scott Dixon, J. N. Smith, B. F. Spinney, and other Lynn shoe and leather men, who formed the original Thomson-Houston Electric Company, to introduce the electric lighting system. Their venture met with immediate success and the lamps of the system were soon seen burning in almost every important city and town in the country.

In the course of time, Professor Thomson solved mysteries of electricity, other than that of the motor, and opened the way to put them into practice in the every day occupations and in living. For his skill and success in this work he is now awarded the Lord Kelvin medal, which is one of the best trophies of the world of science.

Professor Thomson has been granted about seven hundred patents in the United States. His inventions in dynamo electric machinery, electric welding, watt-hour meters, lightning arresters and magnetic arc extinguishers are fundamental. He was a pioneer in arc lighting and innumerable electrical devices have been improved through his work.

He has received the honorary degree of Master of Arts from Yale; of Doctor of Philosophy from Tufts and of Doctor of Science from Harvard, and has been decorated as a Chevalier et Officier of the Legion D' Honneur of

France. For his achievements in the electrical field he was awarded the Grand Prize at the Paris Expositions in 1889 and 1900 and the St. Louis Exposition of 1904. He was president of the American Institute of Electrical Engineers in 1889 and the first recipient of the famous Edison Medal. He has been awarded the John Fritz medal of the four national engineering societies, the Hughes medal of the Royal Society of London, the Rumford medal, the Elliott Cresson gold medal by the Franklin Institute, and twice received the John Scott Legacy medal for electrical inventions.

Having been always interested in education, he is now, and has been for many years, connected with the Managing Corporation of the Massachusetts Institute of Technology, and was the acting president of the institution from 1920 to 1922 inclusive.

He is a member of various American and British scientific and professional societies.

THE RICHARD H. RICE SCHOLARSHIP

The Richard H. Rice Scholarship, at Stevens Institute, as a memorial to the late manager of the Lynn Works, has been established by the Company and is open, first, to sons of persons connected with the Lynn Works, and, second, to sons of those at other Works of the Company. Mr. Rice died February 10, 1922.

This action of the Company will afford an excellent opportunity for young men to secure a higher technical education as Stevens Institute is among the leading technical institutions and from which Mr. Rice graduated.

It will greatly please the many admirers of the late manager to learn that not only has his wonderful work toward better industrial relations been recognized but the form of the recognition means that others will be given the chance to secure an education and be prepared for advancement.

Details regarding the awarding of the scholarship are being arranged by a committee composed of Messrs. G. N. Chamberlin and L. E. Underwood, River Works, and W. H. Pratt and Johnson O'Connor at West Lynn.

The announcement of the establishment of the scholarship is made by President Swope as follows:

"Because of the long, fine and loyal service of Mr. Richard H. Rice not only on behalf of the General Electric Company but also on behalf of the men associated with the Lynn Works of the Company, the Board of Directors has desired to create some continuing memorial to his services. Mr. Rice was a graduate, and a trustee, of the Stevens Institute of Technology at Hoboken, New Jersey, and because of that the General Electric Company has appropriated funds for the endowment of

a scholarship, amounting to three hundred dollars (\$300) per year, which is sufficient to pay the annual tuition and fees at this Institute.

"The award of these scholarships is in the hands of the General Electric Company, and will be given first to the sons of the men employed in the Lynn Works of the Company, and second, to the sons of men employed in other Works of the Company, under rules that will be announced from time to time.

"GERARD SWOPE, President."



Annual Basket Ball Banquet

The men's and girls' basket ball teams enjoyed their annual banquet January 28. Those present were Messrs. Lankenau, Gage, Lutz, McIntosh, Engle, the men's first and second teams, and the girls' team.

All partook of the delectable eats prepared by the Harding and Herber restaurant. Later in the evening radio music, talks and dancing furnished the entertainment.

Society

Hazel Tumbleton Becomes Bride

On January 17 Hazel Tumbleton of the Winding Department became the bride of Joe Kortenber, a chauffeur of the Buick garage. Miss Tumbleton has been employed by the Company for about two years and made many friends by her pleasant and sunny disposition. She will continue work

at the G-E until early March, when she will go to housekeeping. Congratulations and best wishes, Mrs. Kortenber.

Gecode Club

The club members have taken great interest this season in the many entertainments, dances and parties which have been given. All of these have been the occasion of might good times.

The weekly club suppers are well attended. After the eats bunco, sewing and dancing are the general program.

The club room has been refurnished by the Athletic Association, firemen and Gecode Club. A new wicker set, table, writing desk, tray, two colored lamps, mirror and pictures make it inviting and homelike. Green and yellow crepe paper add much to the finishing touches.

Club Gives Dance

A dance conducted by the Gecode Club on February 27, under supervision of the Misses Naomi Baker, Ethel Tumbleton, Gladys Reffey and Glen Ayres was a success.

At 9 P. M. the dance began. During the course of the evening a prize waltz was called for which Arvilla Hendricks and Mr. Linn Kern won the prize. A tag dance created much merriment.

At 11 o'clock a beautiful silk shade stand lamp was given away. Tickets were drawn to decide the winner. The third one took the lamp. Mr. John Burnett of the Assembly Department, whose number was 159, held the lucky ticket.

The Serenade Orchestra furnished music for the dance. The delightful affair was brought to a close about 12 o'clock.



POLISHING AND PLATING DEPARTMENT—1906

Back row: Augustus Huffman; Robert Duryee, Bldg. 26-3; Clyde Hemrick, Bldg. 3-1; Theodore Bell; Fred Hinga; Lawrence Sunderland; Cash Lutz, Decatur Works. Sitting: Crosby; Wm. Thain, Bldg. 6-1; Samuel Brownsberger, retired; William Donnel, retired; Wm. Erdman; John Cunningham, deceased; Geo. Platts, Bldg. 3-1

Mutual Benefit Association

On February 7, 1924, at a meeting held at Decatur in the presence of Messrs. Lankenau, Gage, Kern, Lutz, chairman of Section 22; Linn, chairman of Section 27; the Misses Zelma Roop and Verena Miller, secretaries of said sections, Mr. Smith of Fort Wayne explained the valuable outcome of a contest held between the M. B. A. sections of Fort Wayne and asked Decatur to join them.

Decatur has two sections that will rival each other but unite as one against Fort Wayne sections. The members of the Decatur sections have been informed of this matter and with the co-operation of all we feel as though we can reach the mark.

Reported Sick

Edward Boknecht, who has been ill since early in December, left for Dayton, Ohio, for a medical examination. He expects to be at work in a week or so.

Mr. Henry Meyers, who was operated on several weeks ago for appendicitis, reported for work February 19.

Mr. Glen Venis has returned to work after a month's absence because of an operation for appendicitis.

Mr. James Ward had his tonsils removed and was off duty for three weeks.

Mr. Fred Braun, foreman of yard labor, has been off duty three weeks due to lagrippe.

Alma Weist has been a patient in the hospital for a few weeks. The latest reports are that she is getting along fine and expects to be at work soon.

Do you remember what you were worrying about this time last year? Very few of us do.

Everything is all right in its place, but some days everything seems to be out of place.



PAUL SPIEGEL
Jazz Artist

ATHLETICS

G-E A. A

Y. M. C. A. Amateur Industrial Basket Ball League

The G-E A. A. team winning the first five games in the second half have undisputed possession of first place. The Bowser five, winners of the first half, have dropped three games, pushing them way down on the ladder. The Wayne Knits have battled their way into second place. The Corrugated Paper team taking a new life by the addition of several new men have third place. The G-E squad is practically certain of the lead in the second half and will then play Bowsers for the league championship. A goodly crowd of G-E rooters should be on hand to see these games. The standing of the league February 21 was as follows:

	W.	L.	Pct.
General Electric	5	0	1000
Wayne Knits	5	1	.833
Corrugated	4	1	.800
Bowser	3	3	.500
Horton	2	4	.333
Pennsylvania	2	4	.333
Dudlo	1	4	.200
Wayne Tank	0	5	.000

Intersectional Basket Ball

Section 2 (buildings north of Wall street), by winning all of its games, led the intersectional basket ball league at the end of the first half. The games are played each Monday night at the Central High School gymnasium. Most of the games have been close and well played and the three games played each Monday night assures spectators of an evening's entertainment. Section 2, composed of players from Bldgs. 26, 28, 22 and 20, have a strong team. Their lineup is as follows: Williams, Bond and Dickey at forwards, Blincoe at center, and Martin, Clark and Bowers at guards, with Black as a general substitute. The standing at the end of the first half was as follows:

	W.	L.	Pct.
Section 2	5	0	1000
Section 3	4	1	.800
Section 5	3	2	.600
Section 1	2	3	.400
Section 4	1	4	.200
Section 6	0	5	.000

To start the second half, Section 2 won their first two games by comfortable margins. Section 5 won from Section 3, runners up in the first half, but lost their second to Section 6. The standing of the league February 20 was as follows:

	W.	L.	Pct.
Section 2	2	0	1000
Section 1	2	0	1000
Section 3	1	1	.500
Section 5	1	1	.500
Section 4	0	2	.000
Section 6	0	2	.000

Industrial Girls' Basket Ball League

The G-E girls, showing the result of considerable practice, defeated each of the teams in the Industrial Girls' League, in the first round of the season's play. The Wayne Knits fell victims by a 32 to 14 score, the Box Co., 45 to 2, and Dudlo, 30 to 12. These games are played each Friday evening at the Y. W. C. A. gymnasium. The girls would like to have more G-E rooters down to see them perform. To date the G-E girls have scored a total of 345 points to their opponents' 124. The results of the games played to date follow:

G-E	14	Bowser	24
G-E	46	Lincoln Life	16
G-E	36	Bowser	34
G-E	44	I. B. C.	4
G-E	22	Garrett	11
G-E	32	Wayne Knit	14
G-E	45	Triangles	2
G-E	33	Wayne Knit	13
G-E	30	Dudlo	12
G-E	43	I. B. C.	4
345		124	

Hilda Walda, captain of the five, is leading scorer on the squad with a total of 145 points to her credit for nine games. The individual scoring of the G-E five is as follows:

	Games	Field Goals	Free Throws	Total
Walda	9	70	5	145
Stoll	10	59	0	118
Vail	10	18	0	36
Bleke	9	12	0	24
Jennings	6	6	0	12
Singrey	8	2	0	4
Dresew	5	2	0	4
Cottrell	6	1	0	2
Holzworth	10	0	0	0
Oson	10	0	0	0

The General Electric Girls have won all of their Industrial league games to date, placing them in first place in the league standing. The I. B. C. have entered a team in the league and will play their back games to give them an equal standing. The standing February 21 was as follows:

	W.	L.	Pct.
General Electric	4	0	1000
Dudlo	3	1	.750
Wayne Knits	2	2	.500
Juniors	1	1	.500
I. B. C.	0	2	.000
Triangle	0	4	.000

Meter Department Bowling League

The teams in the Meter Department Bowling League have bunched up around the top so as to make first place rather uncomfortable. While the Registers retain first place, their margin is but one game, and but three games separates the first five teams. That there is not much to choose between the leaders is evidenced in the fact that the first two teams have the same average. There will be some excitement for the next few weeks at the Pastime Drives on Friday nights when these games are rolled. The standing of the teams February 21 was as follows:

	W.	L.	Pct.	Ave.
Registers	13	8	.619	756
Bases	12	9	.571	756
Covers	11	10	.524	746
Terminals	10	11	.479	740
Elements	10	11	.479	738
Magnets	7	14	.333	722

Lawrence has boosted his average to 170, replacing Synder and Bushing, who have averages of 169 and 168 respectively. Hueber also has an average of 168, placing him in a tie for third place. No one has as yet topped Rietdorf's 253 for high score. Greek rolled 250 for second place, pushing Bushing's and Lawrence's 234 into third place. Snyder has 602 for three games, followed by Lawrence and Rump, with 593 and 592 respectively.

Notes

It would be well if some of our basket ball managers would look over Miss Hilda Walda, of the girls' basket ball team. In nine games Miss Walda has scored 70 field goals, an average of nearly eight per game.

The G-E A. A. team in the Industrial league has been playing some great basket ball the last half of the schedule. By the time you read this the post season championship games will have been played and we hope the honors come home again this year.

Section 2, comprised of players from Bldgs. 26, 20, 22 and 28 have an exceptional team in the Intersectional league. They have not lost a game in either half of the schedule and bid fair to go through the season without a defeat.

The girls are deploring the fact that they have no rooters from the Works at any of their games. This team has real class and deserves the support of the fans. Friday nights, Y. W. C. A. gym, 7:30. Try to be there.

The G-E A. A. team handily defeated the Tokheim team, 24 to 12, in a preliminary to the K. of C.-Rochester, N. Y., game. The green and white outplayed their opponents at all stages of the game and had they had any luncheon some of their shots would have run up even a larger score.

Did you notice the standing of the teams in the Meter Department Bowling League? This is a real league. Averages of 160 or better is a common thing in this league and very few of the boys are regular bowlers. Most of them are recruited from the foremen and office men who bowl but once a week.

OVER MILLION IN SUPPLEMENTARY COMPENSATION PAID TO G-E EMPLOYEES

Supplementary compensation totaling \$1,178,595 has just been paid to 27,620 employees of the General Electric Company, scattered throughout the com-

pany's many factories and offices all over the United States. The payments represent 5 per cent of the earnings for the six months ending December 31, 1923, and were made to those employees who had been in the service of the company continuously for five years or more at that date.

The amounts paid in each of the principal factories of the company follow:

Schenectady	\$179,840
Pittsfield	104,193
Erie	59,426
Fort Wayne	53,249
West Lynn	46,868
River Works, West Lynn.....	152,387
Edison Lamp Works, Harrison....	51,819
National Lamp Works, Cleveland	68,022
Other works and offices.....	162,791

The payments were made in bonds of the General Electric Employees' Securities Corporation, which yield 8 per cent to employees of the company.

Girls Department



Maids and Electricity

Maidless meals have been known in many American households for many long years—but drudgery still kills the spirit in many others. To tired feet that have scurried around the house for half a day, or to reluctant brains that have been alarm-clocked into wakefulness after a short night's sleep, it is real drudgery to walk back and forth between kitchen and pantry and kitchen and dining room in preparing another meal.

To the woman who has been used to a maid and now has to get used to the absence of a maid, it is depressing in a peculiar degree, if she lives in an unwired house.

In the era of Sinbad the sailor and Aladdin and his wonderful lamp, many women of Oriental households drudged through the day and drudged through life over meals and the domestic routine. They were so overburdened with such things that the narratives of their story tellers, in which all such duties were performed by magic, in the twinkling of an eye, were naturally fairy tales that seemed to their wondering listeners to be impossible of fulfillment in any age.

Yet this age, as the modern housewife declares when asked, is the age of fulfillment. She realizes, when reminded of it, that she is living a fairy story herself, and that it all started when that dull demon of other days whose name is Drudgery was—electrocuted! It all started, to be more pro-

saic, on the day that the house was wired for electricity.

For electricity, in response to man, the master magician, has overcome drudgery, so that the maidless home and the maidless meal, plus serenity and minus drudgery, finally have been achieved. The outcome, to be found today in many homes, is a happy domestic scene in which everything moves smoothly, but there is a minimum of exertion.

It is a scene of contented faces around the breakfast table or the luncheon table, in the midst of which there appear the four champions of the maidless meal—the electric toaster, electric percolator, electric chafing dish and electric grill. In the home which is the real type of the era of living fairy tales, these substitutes for the vanished maid all work at once, for the dining table where they take up their abode is so wired that this is possible.

The house or the apartment where such wiring has not been done—the service outlet in the dining room floor beneath the table, and the four-ply plug in the table itself, technically known as the G-E quad receptacle—is not bringing fairy tales to fulfillment to the maximum extent. The sterner realities of dollars and cents have got in the way, for almost always it is lack, or fancied lack, of financial resources.

The Oriental woman whose drab life contrasted with the brightness of the Arabian Nights would probably find her Arabian Nights utterly uninteresting beside the magic of American days and the maidless meal, with the tea wagon bringing the materials to the table and the electrical workers cooking it right on the spot. She would know that it is true that fairy tales are actually lived in this age and in America.

The Sunflower Club

Although you may not know it, we have in Building 19-5 a club of girls known as the Sunflower Club. These girls have formed a club for all the fun they can possibly think of having. One of the most novel things they have thought of so far was the mock wedding, a picture of which appears in this issue.

On September 1 the twelve girls in this picture got together and, after quite a bit of talking, they decided to form a club. The name of this club they decided would be the Sunflower Club. If they formed a club, they must have a song and motto, and after some consideration they adopted this song and motto:

Vying with the sun in all its splendor
As it shines from heaven above,
Filling all the world with joy and sunshine,

That's the aim of the Sunflower Club.
Then, of course, they had to have a

president and secretary-treasurer. They voted on this as all well regulated bodies usually do, and elected Frances Hoevel president and Dorothy Geiger secretary-treasurer. Now that they had organized, they must decide what they wanted to do—in other words, what the nature of their gatherings would be—and they decided it would be having a good time.

Now they have regular meetings twice a month. At the first meeting they sew and pay a small amount for dues, and at the second meeting they enjoy purely social affairs. In between meetings they have any conceivable kind of good time and also entertain their friends.

On October 1 last year they spent the week-end at the Sunflower Club House along the Lincoln Highway. They built their stoves out of bricks and when it came time to go to bed, they gathered leaves and made their beds out of leaves and blankets and slept on the floor. The chocolate cake they had brought along for Sunday was eaten sometime around two or three o'clock Sunday morning.

Among the calendar parties they have given so far is a barn dance at Hallowe'en time, a Christmas party at Luella Mueller's home at which they exchanged presents, and a New Year's party. On the way home from this party one of the machines broke down and some of the girls didn't get home until four o'clock in the morning.

The girls have now rented the Sunflower Club House along the Lincoln Highway for the summer. They will go out there for week-ends and whenever they care to. They are making curtains for the windows of the club house now, and they are getting things all ready to make it comfy and cozy. One of the days they are especially planning on is Mother's Day when they will probably entertain their mothers in the club house.

Now that we have heard of this club, let us hear from some of the rest of you people who have really done something out of the ordinary along these lines of friendship and sociability. Is there any club around the plant which can outdo this club of peppy girls in their original ideas? If there is, let us hear from you.

Small Motor Armature Winding Department Party

The Small Motor Armature Winding Department, Building 4-5, gave a party at the home of Bertha Beck on February 6. The guests enjoyed radio, music and bunco. Stella Hull, evidently being more experienced in rolling the bones, won first prize. Myrtle Cramer, not so experienced, came in for the booby.

Refreshments were served, and at a late hour everyone returned home feeling quite refreshed with her evening



SUNFLOWER CLUB GIRLS' MOCK WEDDING

Back row (left to right): Catherine Beckman, Marie Welling and Margaret McKerring.

Front row (left to right): Irmgarde Gehle, Luella Mueller, Ethel Tucker, Frances Hoevel, Eva Beckman, Bertha Moorman, Anna Mattes, Dorothy Geiger and Agnes Moorman.

of fun and pleasure. We are looking forward to more parties of this kind in the near future.

The following were present at this affair: Ethel Chapman, Stella Hull, Edna Alfather, Lelta Kitchen and husband, Loretta Spanley, Freda Lepper, Othmer Bender, Effie Sexton, Myrtle Cramer, Hilda Hunziker, Lillian Courtney, Velma Vincent, Catherine Diehl, Merle Stonebraker, Hilda Walda, Raymond Wahle, Ed Klomp, wife and daughter, Mary Jane; Lillian Steup, Bertha Beck, Elsie Lauer, Othmer Stuckie, Frank Overman, Crate Beck and Mrs. Cora Beck.

Viola Howell to California

Erma Somers recently gave a farewell party at her home on Home Avenue in honor of Viola Howell of the Pay Roll Department who left on February 20 for California.

Dorothy Bolt opened the evening's entertainment with a piano solo which was very pleasing.

Later in the evening bunco was played, prizes being awarded to Ruby Douglas and Vera Archer, who in turn presented them to Viola.

A delicious lunch was served.

Those present were: Viola Howell, Mary Martin, Rosella Kiep, Ruby Douglas, Gertrude Traxler, Clara Stevens, Vera Fredericks, Vera Archer, Dorothy Bixler, Dorothy Bolt, Edna Plum-

mer, Anna Walburn, Margaret Wehrle, Helen Gnau, Frieda Lipp, Erma Somers and the Mesdames Eva Overly and Kathrine Neeb.

Elex Club

Whee-e-e! There, someone got a double trump. Every once in a while a grand yell would go up from one of the tables where the girls were playing bunco in the Y. W. gym, Wednesday night, January 30, after classes, meaning that an extra good play had been made, and we were, all of us, most of the time, eagerly (or apprehensively) waiting for the whistle which signified the end of the game at the first table. Hilda Walda declares that there were 108 girls playing bunco, and there were several others assisting the tally punchers, etc. Why, we almost filled the club rooms when we all filed up to get our generous share of that delicious chocolate cake and ice cream. Yes, it certainly was delicious, and we all had all we could possibly eat.

While at the table, we asked the winners to display their prizes. Miss Beulah Kinna, who had twelve punches, held up a pair of silk stockings; Edna Moody, winner of second prize, produced a box of handkerchiefs, and Dewey Wickliffe exhibited a package containing three papers of safety pins, which she received to console her for having to remain stationary most of the evening.

We are greatly pleased with the success of this party, and are glad so many girls came out.

Ninth Annual Banquet

The girls are surely showing us some real club spirit this year. Can you guess how many Elex girls attended the annual Federation banquet on February 13, at Wolf & Dessauer's? Well, you might not, so we'll tell you—one hundred and twenty-five! Isn't that just great? And a peppier bunch you never saw. We yelled and sang a great deal more than any of the other clubs there—Gymnit, Dudlo, Triangle, Homtelco, Busy Bees—and we always endeavored to get the last word. Cheers for our guests, Mr. and Mrs. Barnes, Mr. and Mrs. Simpson, Mr. and Mrs. Hockett and Mrs. House and Mrs. Hogan, our club advisers, were enthusiastically given.

Elex's table was decorated with baskets of jonquils and narcissus, also with smilax, and at each plate was a little jonquil candy cup for a favor. It was very pretty.

After a supper, consisting of veal birds, French fried potatoes, corn, fruit salad, rolls and butter, ice cream, cake and coffee, we moved our chairs forward to enjoy the program features of the evening.

Anna Studer, president of the Federation for the last two years, presided over the meeting. Mrs. Walter Kent, chairman of the Industrial Committee, extended greetings to the girls, and Mrs. Jesse Lipkey, president of the Y. W. C. A., gave a short talk. The secretary's report and the revised constitution were read and approved. Ballots for the new officers of the Federation were cast, the results showing that Elex has reason to be proud of its club girls: Irene Fox, Elex, was elected president; Estella Lupke, Gymnit, first vice-president; Anna Studer, Busy Bee, second vice-president; Irene Meyers, Elex, secretary, and Madge Funk, Triangle, treasurer. As each name was called, the girls were cheered. Success to them!

Then reports of each club's activities were read by the various presidents. Elex is the largest club with 270 paid members, and it has over \$200 in its treasury. Our parties are numerous and entertaining, and in service work the club holds its own. We are indeed proud of it and of the girls whose untiring efforts make it possible.

The rest of the entertainment took place on the stage. A little playlet, "Old Queen Cole," was given, portraying the Industrial Department of the Y. W. C. A., in which all the queen's counselors, represented by the different clubs, reported to her in rhyme what they had been doing all the year. Polly Botts admirably took the part of the queen—charming Polly.

Two Dudlo girls, Edress Beehler and Helen Schutt, entertained us delightfully with a comic song and dance,

which they had to repeat. Mrs. Irene Tolan Carney accompanied at the piano.

Miss Helen Braun played for us some wonderful violin solos, accompanied by Miss Mary Van Auken. They were much appreciated.

Over three hundred girls were present, and when we left we felt that we had been to something very worth while. Some of the Elex girls went to the E. T. C. dance at Harrison Hall, and further enjoyed themselves for an hour or two.

Programs

On Monday noons, in building 16-2, beginning at 12:20, all G-E girls are invited to attend the programs which are being given there in charge of the Y. W. C. A. For instance, on February 18, Mrs. Harry Hogan showed us how to be graceful, and gave us a few exercises that we could practice at home. On February 25 the correct and incorrect use of cosmetics was discussed. Later we will have book reviews of the newest popular books, demonstrations of the correct way to set a table, and of correct table manners, talks on the use of good English, and a number of other interesting programs are being planned. In other words, Mrs. Hogan is trying to teach the girls the charm of dress, of carriage, and of the homey and womanly things which are so very essential to every attractive girl and woman. Our grandmothers used to get these things at home every day, because when they were girls it wasn't so common for young girls to enter the realms of business. But nowadays girls do enter into the business sphere, and, as a consequence, often neglect their personal charm in preference to making money and having a good time.

All of our G-E girls will be glad of this opportunity to have some of their everyday problems solved, and we want you all to come over and bring your friends.

If you have any suggestions as to what to do at these half-hour noon meetings, don't hesitate to turn them in. Please be careful, however, to select something that will be of interest to a large number of girls, not just a few.

Y. W. Notes

A new and very popular class which is being given this term at the "Y" is the "Know Your City" class in charge of Mrs. Ross Lockridge. Visits will be made to the court house, city hall, postoffice, jail, newspaper offices, State School for Feeble Minded, and perhaps others. All girls invited—come on down. The third term began February 20.

Don't forget Sunday afternoons at the "Y."

On or about March 21-22 the Blue Triangle Athletic Association is presenting a minstrel show at the Y. W.

C. A. A highly entertaining program is being arranged with chorus, jokes, elog dance, special music and recitation numbers. A big crowd is expected to attend and tickets will be on sale soon. Watch for it, get a ticket, and come. We may make this an annual affair.

Work on the swimming pool is progressing. It won't be long now. It has begun to look like something besides a hole in the ground.

Engagements and Marriages

Laura Hiller

Sometime around January 9 Laura Hiller appeared at her work in building 10-3 wearing on her left hand the insignia of probable submission to Cupid's wiles. She worked until January 26, and then before all the excitement about the news of her engagement had died down she quit work and was married the following Wednesday, January 30. Her name now is Mrs. Ray Mutton. We wish you all kinds of happiness, Laura.

Wanda Sparks

Wanda Sparks, our personnel worker in building 10, resigned her position on January 19 to go home to her mother. Wanda, after some very insistent questioning, finally admitted that she expected to return to Fort Wayne to be married sometime in the near future—she didn't know just when. We don't know who the man is, but we know he must be all right, if Wanda is going to marry him.

Wanda was quite well-known not only as a personnel worker, but also in the Elex circles. She was also reporter for the girls' section of the Works' News from her section of the plant, and was the reporter of local news items for the daily papers. We are both sorry and happy to lose Wanda—sorry because we will miss her so, and happy because of the happiness she has in store for her.

Marie Blaugh has taken Wanda's place in building 10-3.

Miscellaneous Notes

Everyone was glad to see Rosella Kiep back at her desk in the Pay Roll Department on February 15. She had been absent for several weeks on account of illness.

Theresa Songer of the Distribution Department has returned to her desk after a week's illness.

Carrie Burke of the Industrial Service Department was home the weeks of February 11 and 18 on account of illness, but she is back again now, and we're glad of it.

Lucile Faux resigned her position as stenographer in the Publication Department and Works' Library on February 23 to take a position with the Paragon Cooperage Company. Lucile has been with the Company since last June and has been an active Elex worker.

BIG MEETING OF THE GREAT LAKES DIVISION OF THE N.E.L.A. HELD AT FORT WAYNE WORKS

Over 150 Visitors Are Entertained

ON Friday, February 15th, an open meeting of the Meter Committee of the Great Lakes Section of the National Electric Light Association was held at the Fort Wayne Works of the General Electric Company.

Although the Great Lakes Division consists of only Illinois, Indiana, Michigan and Wisconsin, such an interest was taken in the meeting that representatives from many other divisions were present.

After everyone had received proper identification in the form of a button or tag (attached with a meter seal), the meeting was called to order by Mr. J. E. Miller of the Milwaukee Railway & Light Co., who said it was the biggest meeting of the kind he had ever witnessed. The quality of the meeting could be vouched for by everyone.

In the absence of Mr. W. S. Goll, Works manager, Mr. P. C. Morgenthaler, managing engineer of the Meter Department, welcomed our guests.

Mr. Stein, representing the Leeds & Northrup Company, opened the technical discussion with a very interesting talk on the testing of instrument transformers. His talk was accompanied with slides of the various circuits in

the testing sets and a demonstration of the operation of the sets. He pointed out sources of error in testing as well as their remedies and stated very emphatically the importance of accuracy in instrument transformers since they are an integral part of a meter—the cash register of the Public Utility.

The next subject for discussion was the talk on Demand Meter Development by Mr. C. I. Hall, experimental engineer. However, there was little left to discuss when Mr. Hall had finished. He told of a new type of direct reading demand meter, developed in his department, which gives practically everything in the way of information that the producer or consumer could ask for. He pointed out the necessity of showing the customer exactly what their money was buying. Recent developments in contacts and electro-magnetic return coils, in connection with demand meters, were also discussed. This talk by Mr. Hall may well be classed as one of special interest, since it brings the man producing the goods into a better understanding with the man using the goods.

Mr. Cuddoly of the Consumers Power Company of Grand Rapids, Mich.,

talked on the progress made in meter installation, showing lantern slides to illustrate the old hazardous installations and the rapid progress made in obtaining a neater and safer way of installation both for the convenience of the customer and tester.

At 12:45 everyone assembled in the park for a photograph, after which lunch was served in the North dining room of the Works' cafeteria.

After everyone had satisfied his appetite to the fullest extent, a general inspection of the plant took place. The party was divided into groups of ten or twelve and members of the Meter Department acted as guides.

Many comments were made upon the personal attention given each device manufactured as well as precautions taken against the shipment of faulty apparatus.

It was nearly 5 P. M. when everyone adjourned to prepare for dinner at the Anthony Hotel. This dinner was an informal affair at which Mr. J. C. Langdell, meter engineer of Hodenpyle Hardy Co., acted as toastmaster. Short talks were given by Mr. W. S. Goll, Fort Wayne Works manager; Mr. F. L. Peavey, assistant sales manager of the Duncan Electric and Manufacturing Company, Lafayette, Ind.; Mr. G. E. Miller of the Sewickley Electric Manufacturing Company, Sewickley, Pa.; Mr. G. C. Brown of the Westinghouse Electric and Manufacturing Company; Mr. C. H. Horrell of the Sangamo Elec-



N. E. L. A. VISITORS AND HOSTS FROM OUR METER DEPARTMENT

tric Company, and Mr. P. C. Morganthaler, managing engineer of the Meter Department. The principal speaker of the evening, however, was Mr. W. M. Lewis, manager of the Consumers Power Company at Muskegon, Mich. Mr. Lewis spoke particularly on the relation of the Meter Department to the public and the very important part the Meter Department can and does play in establishing friendly relations between the Utility and its customers. Mr. Lewis emphasized the fact that inasmuch as the meter is the means of determining revenue obtained for service rendered, the Meter Department must be efficient and up-to-date in order that by these same efficiencies the customers' confidence may be obtained and retained since in the final analysis the success of a Public Utility depends largely upon the confidence of the public at large, in the utility, its service rendered and in correctness of charge for service.

Saturday morning a few were seen reviewing points of special interest that had not been given attention in the previous inspection and it was voted by everybody that the meeting had been a complete success.

We hope that we will have the privilege of being host for such a gathering as this again, for it is through the exchange of ideas, the co-operation of producer and consumer that difficulties are overcome.

Hitching your wagon to a star is fine, but don't let your little boy hitch his to the ice wagon.

It is hard to borrow money because people who have it have it because they don't lend it.

Some men can't go forward because they always have the brakes on to keep from slipping backward.

COMMONWEALTH EDISON COMPANY'S BUSINESS DURING THE YEAR 1922 AMOUNTED TO MORE THAN \$43,000,000

2100 Employees Have Been in the Service of the Company Five or More Years

(This is the fifth of a series of articles dealing with public utilities—customers of the General Electric Company—in which the G. E. Employees Securities Corporation has invested part of the savings of those G-E employees who hold its bonds.—Editor.)

MARKET place for the country's greatest wheat producing region, center of the nation's meat packing industry, great producer of iron and steel products, world's greatest railroad center—such is Chicago, largest city in the rich middle west and second largest city in the United States.

Ideally located, Chicago's growth has been rapid, and this growth is destined to continue. With many of the nation's great railroads converging there the city's shipping facilities are exceptional, and additional, cheap shipping facilities are available due to the city's location on the Great Lakes. Within easy reach of Chicago are vast coal fields, and the Messaba iron range is but 125 miles away. The value of Illinois' crops, which are, in the main, marketed through Chicago, runs into the hundreds of millions of dollars annually. Thus it is evident that the growth and prosperity of this metropolis, and of the Commonwealth Edison Company which serves it electrically, are assured.

That the great industrial activity of Chicago has been an important factor in the success of the Commonwealth Edison Company was pointed out by Samuel Insull, president of the com-

pany, in his address to the stockholders at the annual meeting held early in 1923. At that time Mr. Insull said:

"What enables us to produce energy at a relatively low cost is the very large amount of energy that we sell wholesale to mercantile and industrial concerns, to other public utilities such as light and power companies surrounding Chicago, and the various transportation companies requiring energy for the operation of their cars. So the 1,500 wholesale and industrial customers are really contributing day by day toward decreasing the cost to the other 608,800 customers served by the Commonwealth Edison Company.

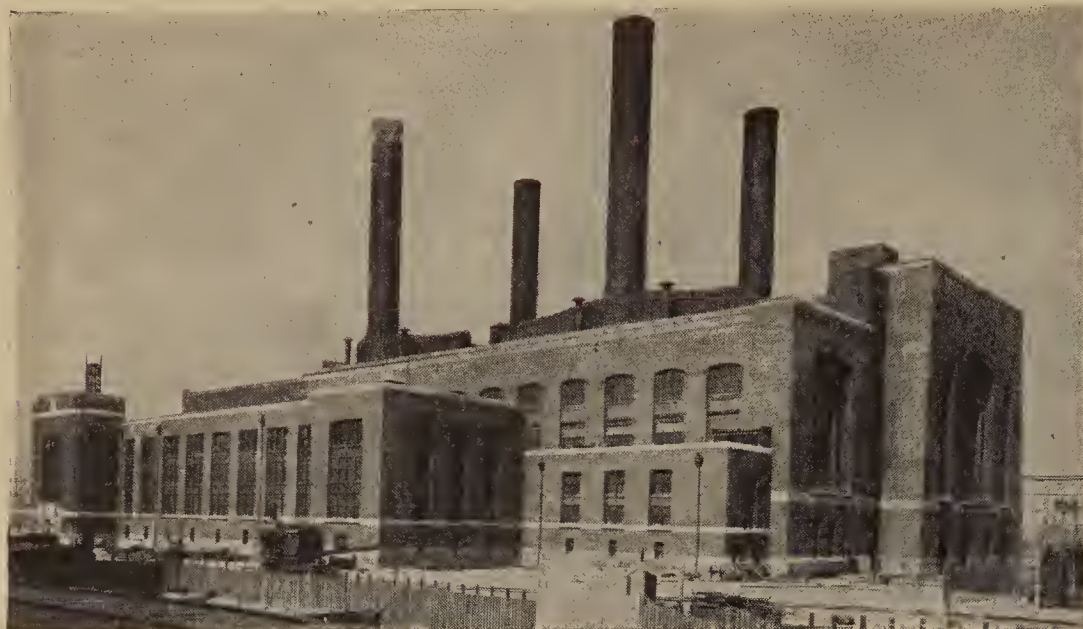
"If it were possible to wipe out our wholesale business overnight, the very next day we would be compelled to go to the Illinois Commerce Commission and ask for the right to greatly increase our basis of charge to our retail customers."

Neither the Commonwealth Edison Company, nor any of its predecessors, has, however, ever raised its rates. Increasing prices of all commodities even during the difficult years of the recent war, have been met by the inauguration of economies. The development of the electrical art, the application of the economies resulting from these developments, and the Company's growth have made it possible to reduce rates from time to time.

Of the more than 610,000 customers who purchased electricity from the Commonwealth Edison Company dur-



ON THE LEFT, THE FISK STREET POWER STATION—ON THE RIGHT, THE QUARRY STREET STATION



THE CALUMET POWER STATION—ANOTHER OF COMMONWEALTH EDISON'S GREAT GENERATING PLANTS

ing 1922 a total of 73,321 were added to the Company's circuits during that year.

In outlining the Company's plans for the five years between 1923 and 1927, inclusive, Mr. Insull stated that it would spend slightly under \$100,000,000 on its plant in that length of time.

"I want to draw attention to the fact that these expenditures, whilst vast in their character, are paralleled by the expenditures of such public utilities as the telephone company and the gas company, and ought to be paralleled, if conditions were right, by similar expenditures of the transportation companies," said Mr. Insull in speaking of the proposed plans for the coming year.

Mr. Insull pointed out that the utilities are the community's life blood, and that if a community is to expand the utilities must expand with it.

The Company's generating plants are steam-operated and it has been gradually safeguarding itself by the development of its own coal facilities. It has purchased Illinois coal rights until it is estimated that it now owns enough rights to provide its supply for 100 years.

There are on the Company's payroll, which numbers about 7,000 persons, more than 2,100 employees with five or more years of service. One third of the employees are stockholders in the Company. Commonwealth Edison has always made special effort to look after the well-being of its employee-family. It has a comprehensive vacation plan, provides group life insurance, maintains an employees' restaurant, a Mutual Benefit Association, the Edison Social Club, and an Employee's Savings Fund.

Mr. Insull has been connected with the electrical industry since he first came to this country, from England. He was private secretary to Thomas A.

Interesting Facts Concerning Commonwealth Edison Company

28,489	stockholders in 1922.
663,000	kilowatts generating capacity in 1922.
2,225,443,000	kilowatt-hours, output during 1922.
2,416,131	tons of coal used during 1922.
4,086,524	incandescent lamps given to customers in 1922.
1,553,890	kilowatts connected load in 1922.
Supplies entire electricity requirements for Chicago's street and elevated railways. Has paid dividends, without interruption, since 1889.	

Edison for years, taking full charge of Mr. Edison's business affairs. He was general manager of the Edison Machine Works when they were located in Schenectady and for a short time after the establishment of the General Electric Company was second vice-president of the concern.

He left Schenectady to go to Chicago, where he was president of the Chicago Edison Company and the Commonwealth Electric Company. Following the consolidation he became president of the Commonwealth Edison Company, which position he now holds. He is also interested in many other public utilities.

During 1922 the Company did an electrical business amounting to more than \$43,000,000 and paid \$4,602,416 in dividends.

FOREMEN'S CLUB PLANS AHEAD

O. L. Weitman, chairman of the entertainment committee, gives the following outline of the activities of the Foremen's Club for the next four months:

On March 26 Mr. Goll will address the Foremen's Club on "Factory Management." Following this talk there will be a special entertainment and a buffet lunch will be served.

On April 23 there will be a banquet for the foremen and their wives. We have several special numbers and stunts for entertainment and later in the evening there will be dancing.

On May 28 Mr. Barnes will give a talk to the foremen on a subject which will be announced later; following this there will be entertainment and a light lunch will be served.

On Saturday afternoon, June 28, we have planned a picnic for the foremen and their families at Blue Lake. We will be able to have boats and there will be dancing for those who wish to dance. Arrangements will also be made for those who desire to purchase their meals.

This place was chosen because it is only sixteen miles from the city and there is an excellent paved road right to the lake, so that it will be easy to reach.

There will be arrangements made for those who do not have cars and if necessary the bus that makes the trips to Churubusco will be engaged for them.

GEORGE R. GAWEHN RESIGNS

It is with sincere regret that the Works News must record the leaving of one of our senior staff members, George R. Gawehn. Since the start of the Works News Gawehn has had charge of the illustrations. All of our readers are familiar with his excellent photography, cover designs and cartoon work. However, the Works News assignment was but a small part of Mr. Gawehn's work. He started and developed the photographic and art departments at this Works, and a few years ago the blue print department was placed in his charge. During the course of his twenty-one years of service here he has become acquainted with a very great many of our Works people and we are sure all of his many friends regret to hear of his leaving the General Electric Company's employ.

As announced previously in the daily press, Mr. Gawehn resigned to accept a position with the S. F. Bowser Company of this city. At this place he expects to develop and have charge of a photographic and art department.

In the future our photographic work will be handled by Mr. Charles Evarts, who, for a number of years past, has assisted Mr. Gawehn on this line of work. The blue print department has been

KEEPING FIT CONTEST

Standing of Major Departments on February 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Induction Motor	4.78	000	100.00
2. Meter Department	18.15	7.14	60.52
3. Fractional H.P. Motor.....	22.25	10.72	51.80
4. Building and Maintenance.....	11.25	7.14	36.55
5. Transformer	11.25	14.29	—27.05
6. Apparatus	5.39	7.14	—30.78
7. Contributing	20.12	32.14	—59.75
8. Decatur	6.81	21.43	—214.68

placed under the direction of Mr. William Doan, who from his past experience as clerk in the drafting department, is quite familiar with the blue print work.

Pray that your enemies may not get cold feet too soon. Opposition is a wonderful help to a man or a cause. Kites rise against, not with the wind.

Maybe the reason a lot of fellows never look ahead is because they're afraid they will see their finish.

HOW NOT TO CATCH A COLD

Keep the house heated to not more than 68 degrees. Let as much outside air in as possible; it has the right amount of moisture in it.

Dress lightly in the house and put on warm wraps when you go out to protect your body from severe changes in temperature.

Wear good substantial shoes. When it rains or there is snow or slush on

the ground, wear rubbers or overshoes.

Eat sensibly and avoid constipation by eating plenty of bran, fresh fruits and coarse vegetables instead of depending on pills.

Keep your teeth and mouth clean as they breed and harbor dangerous disease germs.

Remember that influenza, pneumonia, tuberculosis and other diseases are also caused by careless sneezers, coughers and spitters.

—National Safety News.



THE PRESENTATION OF THE KEEPING FIT BANNER TO THE METER DEPARTMENT, THE WINNERS OF KEEPING FIT CONTEST FOR YEAR 1923



Entrance to General Electric Company's
works in Schenectady

“And I am with the doers”

Time was when war called the ambitious and offered life's great rewards. But the captains and the kings passed. The enduring conquests of our times are being made in industry.

Through the wide open doors of General Electric plants and offices an army of 100,000 men and women moves every day. Each of them, looking back over the road, can say:

“Things worth while are being done in my lifetime, and *I* am with the doers.”

GENERAL ELECTRIC

One of a Series of G-E Advertisements
Now Appearing in General Magazines

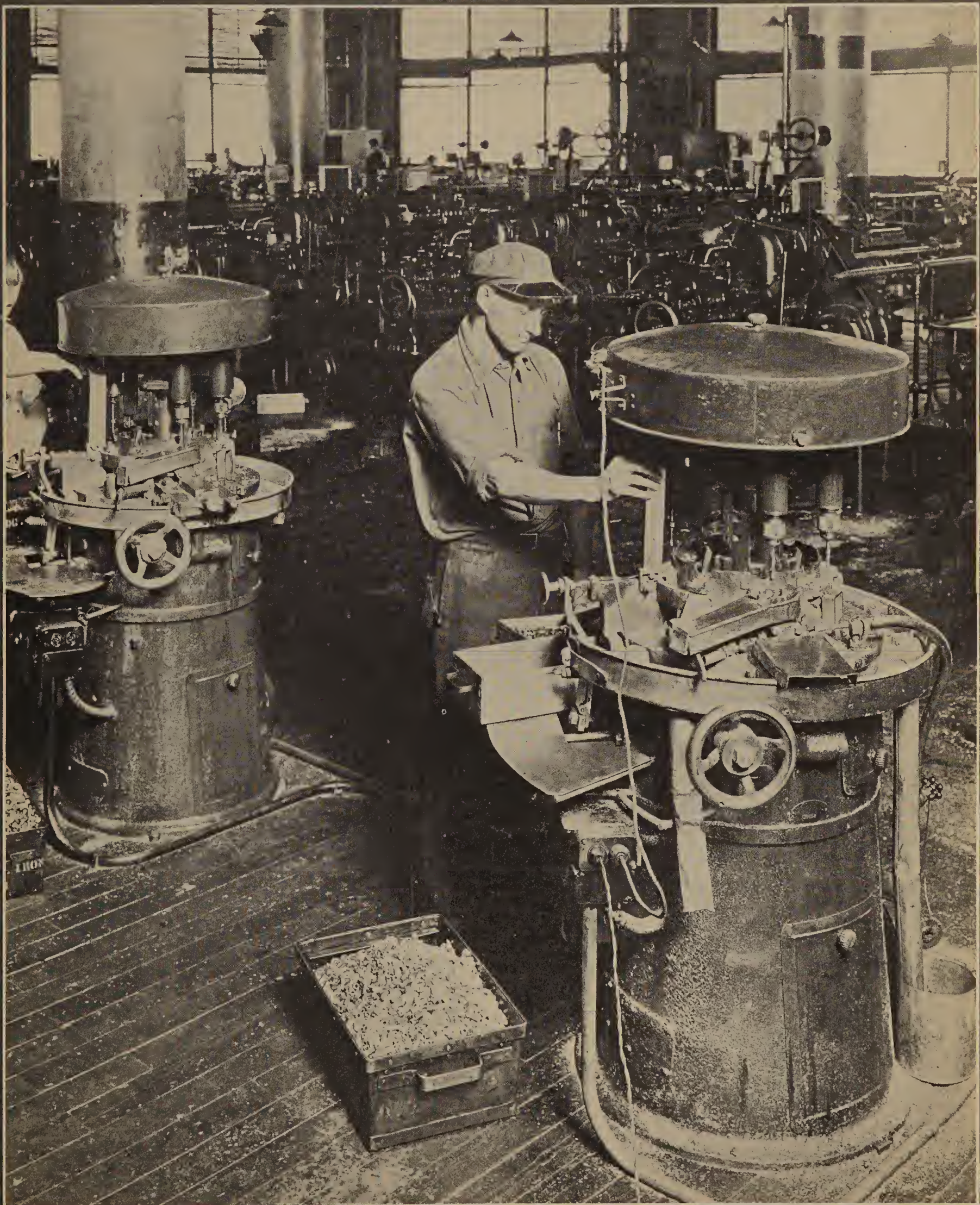
FORT WAYNE WORKS NEWS



Vol. 8

April, 1924

No. 4



Ingenious Machines Speed Production

In going through our factory at practically any time you may discover new machines and improved methods which were not in evidence a few years, or even a few months, before. The casual observer might pass by many of these interesting things without noticing them, so smoothly do they fit into the great production scheme of our plant. In the cover view of this issue may be seen two duplicates of a very interesting and relatively new machine. These machines are not large, nor are they half so noticeable as they appear in this view. They are interesting because of the number of machine operations they perform and the number of machines they supplant. They were developed by Assistant Manufacturing Superintendent August Kayser and are found in the Meter Automatic Screw Machine Department, Building 26-4.

These machines are of the multiple spindle turret type. They do practically all the machine work on watthour meter terminal studs. Each one automatically feeds itself from a magazine into which the operator places the meter terminal stud blanks. One at a time the machine takes the blank studs from its magazine and as the turret revolves carries them past eight stations, at each of which a machine operation is performed. At the first station a milling cutter removes a lot of material, leaving a flat section on the finished stud. At the next two stations the locations for two threaded holes are spot reamed. At the fourth and fifth stations the holes are drilled through. At the sixth station the under side of one hole is reamed and at the next two stations both holes are tapped. At the ninth station the completed work is automatically ejected from the machine into a box. Finished parts are produced by each machine at the rate of 15 per minute. The operators are Carl Voght and Russel Johnson.

In speaking of the advantages of these new machines, the foreman, Otto Roehms, says that one of them replaced six drill presses and a milling machine. One operator takes the place of four men formerly required and the work is now produced in greater quantities and of more uniform quality than under the old order of things.

Many such ingenious machines developed by Mr. Kayser are to be found in our shops. They are very effective in simplifying the manufacture of our products and in speeding up the production in our plant.

PLANS FOR WAR MEMORIAL MOVING TOWARD COMPLETION

Campaign for Funds April 7-12

THE plans for the memorial which will be erected here at our plant in honor of the men who left our organization for military service during the World War, are nearing completion. The artist's sketch for the memorial has been approved with slight changes. The date for the campaign for funds has been set as the week of April 7-12, and the lists of names which should rightly appear on bronze tablets are nearly finished. The committee compiling these lists is working overtime, checking the returns from the bulletins which were distributed. If you have failed to return that special Works News Bulletin with information you might have which will insure someone not being missed, send it in at once. The committee of foremen need your help. The tablets should bear the name of every eligible man.

On this page we give a reproduction of the artist's sketch of the base of the great memorial flag pole. Unfortunately, the artist omitted "Fort Wayne Works" on the sketch, but we are assured that this omission will be corrected before the full scale drawings of the tablets are approved. It will be observed that the memorial will have a square base. This will be formed by five granite slabs, four of which will form the sides and the fifth the base. The fifth slab will be approximately four and one-half feet square and one foot thick. It will be the only part of the granite work that will be exposed, as the four slabs forming the sides will be overlaid by statuary bronze ornamentation and tablets bearing the World War Veterans' names. The tablet facing Broadway will have the general heading and the names of the Gold Star men. All names will be in raised letters of three-eighths of an inch in height.

This bronze ornamentation work requires the highest sort of skill in its production. Before the bronze can be cast an exact model of it must first be prepared and a pattern made. The model is usually made of clay, and from it a plaster cast is taken which serves as the pattern in the foundry. The making of these clay models requires the art of a sculptor of the

highest type. The clay models are very carefully checked in order to eliminate any possibility of error in names or initials, as it is almost impossible to correct such an error once the bronze has been cast.

The casting of the bronze plates is at once a most interesting and difficult matter. In six crucibles, heated to a temperature of 1800° Fahrenheit, the solid medals are changed into a fiery liquid. The molten metal is poured into the sand molds made over the plaster patterns previously described. When the metal has solidified the molds are opened and the bronze tablets bearing all the lettering and ornamentation are ready to be finished.

From the foundry the tablets go to the finishers whose task is to smooth up the plates and bring out the color and texture of the bronze. All rough edges are first removed, the surface of the letters are carefully filed and the edges trued. The background and ornamentation are then chased by hand. In fact it is the hand work on a memorial that gives it its individu-

ality and wonderful finish. The chasing and finishing are done under the supervision of the sculptor who made the original clay models. In many instances the sculptor does the actual work on the bronze. His supervision at least is necessary in order that the completed work may carry the spirit and technique of the original clay.

Following the chasing, the bronze is sand blasted, washed in cold water and rubbed down with pumice stone. After a second washing the plates are dipped in muriatic acid, and after another washing and polishing with pumice stone it is dipped into boiling water and carefully dried.

The foundation for the memorial will be of reinforced concrete, six and one-half feet deep. Down into this concrete foundation will extend a ten-inch tube into which the bottom of the flag pole will be inserted. There will be a clearance of five-eighths of an inch between the steel socket and the bottom part of the steel flag pole, and this space will be filled with sand after the pole has been lowered into place.

The flag pole will extend sixty feet above the ground, starting with a diameter of eight and three-fourth inches at the bottom, and tapering to a three and one-half inch diameter at the top. At a little distance from the top there will be a cast-iron truck which will carry the pulley for the flag halyard. This truck will be free to move around the pole so that the winds may carry the flag in any direction whatever without wrapping it around the pole. On top of the pole will rest a twelve-inch copper ball, finished in gold leaf. Truly, the memorial will be one of which we all may well be proud.

And now as to the financing of this memorial, it is estimated that the whole cost of constructing and erecting will be in the neighborhood of \$3,500. The foremen are promoting the erection of this memorial and are doing the detail work of compiling the lists of names and will conduct the campaign for funds. The individual members of the Foremen's Association will contribute liberally toward the fund. The company has subscribed \$500 toward the expense, and it is up to the rest of us to provide the balance of the money.

It has been estimated that one hour's wage from each one of us will finance the job. Naturally there are a few who cannot well contribute towards this proposition; therefore for those of us who can, our subscriptions should be at least the equivalent of one hour's



Sketch of Base for Memorial Flag Pole

wage. Let's put this job over with the old-time spirit of the Liberty bond campaigns. Surely we shall all be willing to do our part in providing this memorial to our co-workers who risked their lives or gave their all. In after years you will be proud to recall that you helped build this memorial to the boys who served.

PREPARATIONS UNDER WAY FOR FIREMEN'S CONVENTION IN JUNE

On the evening of March 17th, the G. E. Volunteer Firemen were hosts to the Northern Indiana Industrial and Volunteer Firemen's Association officials, who were here for the purpose of completing arrangements for the nineteenth annual convention of this association, which will be held in Fort Wayne on June 18 and 19.

The firemen entertained the visitors, numbering twenty-five, with a dinner at 6 o'clock in Building 16-2. After the meeting they were entertained in the firemen headquarters, Building 17-1, with pool and cards.

The General Electric, Bowser, Wayne Knitting Mills, Packard Piano Company and Wayne Tank firemen are making elaborate preparations for the big convention in June.

CANDIDATES NOMINATED FOR BOND DIRECTORS OF G-E EMPLOYEES SECURITIES CORPORATION

Primary elections to nominate the seven debenture bond directors of the G-E Employees Securities Corporation have been held in seven General Electric plants. The balloting in these elections proved that the interest in the affairs of the corporation is generally widespread. The following men have been nominated:

F. G. Duryee, Fort Wayne; S. S. Ringer, Lynn; A. H. Snow, Pittsfield; F. W. Muhlberger, Philadelphia; L. S. North, Bridgeport; L. S. Mugford, Erie, and William Turnbull, Schenectady.

Elections were not held in the Bloomfield or Baltimore works since there are but seven debenture bond directors to be elected. Arrangements have been effected whereby Bridgeport and Philadelphia nominated directors this year, while Baltimore and Bloomfield will nominate them in 1925.

The actual election takes place at the annual meeting of bond holders to be held at 11 a. m. Monday, April 14, 1924, in the Fire Station hall, Building 45, Schenectady Works. The election of stock directors will take place at the same time.

W. W. Trench, secretary of the corporation, has mailed all bond holders

notices of the meeting. With the notices are proxies which should be filled out by those not intending to actually attend the meeting. This is necessary since a majority of the bond holders must be represented in order that there may be a quorum.

With the letters are enclosed self-addressed envelopes in which the proxies may be returned. If these are handed to foremen or department heads they will be forwarded through the internal mail service and no postage will be required.

Messrs. G. E. Emmons, A. H. Snow, Pittsfield; Henry W. Darling and F. S. Terry have been designated as proxies. Unless otherwise instructed they will vote for the directors listed above.

ADDITIONAL AWARDS MADE UNDER CHARLES A. COFFIN FOUNDATION

Daniel K. Wright and Albert L. Smith, both of the Edison Lamp Works' engineering department, have been granted awards under the Charles A. Coffin Foundation. The recommendations of these men reached the Advisory Committee too late for them to reach a decision by the time the original announcements of those receiving awards was made.

Both Mr. Wright and Mr. Smith developed automatic soldering machines with the fundamental purpose of assembling and using it in conjunction with the present basing machine to which an automatic flashing device can be attached. The machines are of totally different types but do similar work.

In the story on the Charles A. Coffin Foundation awards in the last issue of the Works News, the titles of E. M. Hewlett and W. W. Willett were transposed. They should have been E. M. Hewlett, engineer, Switchboard Department, and W. W. Willard, Switchboard Engineering Department.

DID YOU TUNE IN?

Radio audiences throughout the entire United States had an opportunity to tune in entertainments given by G-E employees on Friday, March 14—General Electric night on the air. On that night eight broadcasting stations, in as many different cities, broadcast programs by employees of the company.

Plans for the affair were begun fully two months ahead of the date set and every effort was made to insure the broadcasting of programs of high character. Musical numbers, both vocal and instrumental, were included, as were speeches by J. G. Barry, Prof. Elihu Thomson, C. E. Eveleth, Theodore Beran, L. F. Deming, E. H. Ginn, L. T. Blaisdell and others.

The stations from which the pro-

grams were broadcast were WGY, General Electric Co., Schenectady; WNAC, Shepard Stores, Boston; WJZ, Radio Central, New York; WOR, Baumberger's, Newark, N. J.; WDAR, Litt Brothers, Philadelphia; WSB, Atlanta Journal, Atlanta; WTAM, Willard Storage Battery Co., Cleveland, and WFAA, Dallas News, Dallas.

On Thursday, March 13, a G-E program was broadcast from KGO, the company's Oakland station, which is silent on Friday nights.

AWARDS ON SUGGESTIONS

William Fisher Receives \$20 Award

The Committee on Suggestions announces the following awards made on suggestions up to March 25:

Mr. Earl J. Ramey, an award of \$5.00 on a suggestion to place guards over bevel gears on the drive shaft of a multiple spindle drilling machine located in the Transformer Tank Shop, Building 27. This safeguard makes it impossible for the operator to get caught in these gears when changing the belts of the machine. Mr. Ramey is an employee of the Transformer Tank Shop, Building 27.

Mr. M. F. Morkoetter, an award of \$5.00 on a suggestion to place a window in the south wall of the office located on the north side of Building 4-3. The object of this window is to enable the time clerks and blue print clerks to transact their business with the workmen without having them come into the office. This scheme will avoid confusion and prevent making errors in the charging out of blue prints and in the giving out of time slips. Mr. Morkoetter is an employee of the Small Motor Automatic Screw Machine Department located in Building 4-3.

Mr. Howard Langenbahn, an award of \$5.00 on a suggestion regarding improving the ventilating equipment for soldering pot located in the Transformer Tank Shop, Building 27. Mr. Langenbahn noticed that the ventilating equipment for this device was not working properly and he suggested locating the exhaust fan differently so that more effective ventilation would be procured. Mr. Langenbahn is an employee of the Transformer Tank Shop, Building 27.

Mr. David Slater, an award of \$5.00 on a suggestion to place a screen over the motor on two winding machines located in the southwest corner of Building 26-3. These screens are placed on the machine to keep pieces of insulation and tools from falling into the motor and injuring it. Mr. Slater is an employee of the Transformer Department, working in Building 26-3.

Mr. Lohnas McIntosh, an award of \$10.00 on a suggestion regarding the small motor test tags. A more detailed description of this suggestion is given

**WILLIAM FISHER**

Who Received \$20.00 Award

in the Decatur Works section in this issue.

Mr. Wm. Fisher, who is an employee of our Cold Header Department, located in Building 26-4, Meter Department, suggested that we place a device on the hopper of one of our thread rolling machines so that the one end of the 1-14 meter sealing pin could be threaded automatically. This device has been in satisfactory operation for some time and has affected a decided reduction in the cost of threading these pins. For this reason the committee has seen fit to give Mr. Fisher an award of \$20.00.

The Committee on Suggestions wishes to take this opportunity to publicly commend Mr. Fisher for his interest in the reduction of the cost of our product. This is the second suggestion for which Mr. Fisher has been given an award, and this last one embodies an idea of which he may well be proud.

A CORRECTION

Our attention has been called to a mistake made in the article, "Commonwealth Edison Company's Business During 1922," run in last month's issue of our Works News.

In the second paragraph of this article, it was stated that the Mesaba Iron Range is but 125 miles from Chicago, while in reality it is between 500 to 600 miles away, since the heart of the range is at Hibbing, Minnesota.

It is not against the law to think your neighbors are awful, but it is a terrible waste of time.

AMONG OUR ABSENT EMPLOYEES

Mrs. Ella Young, of the Inspection Coop in the Meter Department, Building 26-4, is at present a patient at St. Joseph's Hospital, having had to submit to an operation. The report received from the representative in Building 26-4 states that Mrs. Young is doing as well as can be expected, and we offer her our best wishes for a speedy and permanent recovery.

Irene Fox, personnel representative, located in the Meter Department, Building 19-5, is a patient at her home, 1136 W. Wildwood avenue. Irene is making as good progress as can be expected under the circumstances, and the last report from her bedside was very encouraging. Irene's friends and fellow-workers have been very thoughtful of her in her trouble, and she is always glad to see some one from the plant or receive messages from some of the "gang." We extend our best wishes for an early recovery and hope, Irene, you will be with us again in the very near future.

Lillian Beemler is at her home, 670 Court street, Huntington, Ind. Lillian, who is employed on stator winding in Building 4-5, recently wrote the personnel representative that she is getting along fine and hopes to be with us before long. That's good news, Lillian. You have our best wishes to this end.

Val Arnold, whose city address is 1036 Swinney avenue, is at present a patient at St. Joseph's Hospital where he has undergone a rather serious operation. Val is employed as bench operator in Building 26-4, and the personnel representative in that department tells us he is getting along nicely. We wish for you, Val, an early and complete recovery.

Rose DeVaux is at her home, 2119 Parnell avenue. Rose, who is employed in the Insulation Department, Building 10-3, has been absent for some time caring for her mother, who is seriously ill. We miss your smiles, Rose, and know that you are anxious to return to your duties. We hope everything will be well with you before long, Rose, and wish to express to you our best wishes.

Clara Brown, who has been absent for some time on account of an operation, is still at her home, 3411 Barr street. Clara is employed in the Small Motor Department, Building 4-5, on reinforcing A. C. armatures. The personnel representative who visited her recently reports she is improving nicely. Here's hoping, Clara, that you will be in our midst very soon.

John Connelly is at home at 1621 St. Mary's avenue. John, who is a stock clerk in the Insulation Department, Building 10-3, recently suffered an injury to his arm. It is reported to us that John is now on the mend, and we hope he may soon be back on the job.

Marie Wright is at her home at 1019 Swinney avenue. Marie, who is employed in the Meter Department, Building 19-5, has been incapacitated for some time because of torn ligaments in her shoulder. It is reported to us that she will probably be absent for several months. We are sorry to learn of this, Marie, but we look forward with interest to the time you will again be in our midst.

William Harford, of 728 W. Superior street, is at present a patient at St. Joseph's hospital. Mr. Harford is employed in the Meter Department 19-5. While on his way home from work recently he had the misfortune of being struck by a taxi, which will incapacitate him for some time. We hope, Mr. Harford, that your period of disability will not be unduly long for your co-workers will all be glad to see you back at your place in the plant.

Word has just been received that Harold Wright, formerly of the Testing Laboratory, and who has been on sick leave for the past two years, died of tuberculosis March 14, at his home in Jonesboro, Indiana. Harold was a general favorite among the many employees with whom he became acquainted during his services with our Company. He will also be remembered as the manager and trap drummer of the original Jazz Orchestra here at our works. It is with deep and sincere regret that we learn of his untimely death.

Mr. Fred Ball, formerly of our Meter Test Department, who went to Denver, Colorado, about two years ago because of poor health, was married to Miss Nola Sheenan, of Monroeville, Indiana, on December 31, 1923. Fred states that he is getting along fine and never felt better in his life, and that he is now in the employ of the Denver Electric Light and Gas Company as their head meter inspector and tester. Fred says he is always glad to hear from any of his old friends here at the G-E. He also sends his very best regards to Director Verweire and all members of the G-E band. Fred's address is now 1145 Clarkson street, Denver, Colorado.

LEAP YEAR WEDDING

Congratulations are in order in the Testing Department, Building 19-5, for Andy Braun, who was married on March 19, at 6 p. m., to Bertha Snyder. The couple left immediately for Chicago.

On their return they will be at home on West Wayne street. Don't forget to ask Andy about the shock when he returns, and ask the boys and Mr. Klingman how they liked their ride that was all in vain. Too bad, Andy, that you were so bashful that you had to wait for Leap Year to come along and help you out.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll Chairman
E. A. Barnes R. F. Harding

X. J. Divens Editor
Alvin Konow Distribution

SECTION EDITORS

W. J. Hockett Industrial Service
R. F. Smith Safety
Wade Reed (G-E A. A.) Athletics
Dorothy Hormel Girls' Department
G. R. Gawehn Illustrations
Verena Miller Decatur Works

REPORTORIAL STAFF

P. A. Shober Electro-Technic Club
LaVera Vail Elex Club
Carrol Blincoe Apprentice Association
Russell Haruff Foreman's Association
Fred Duryee Volunteer Fire Department
Perry Shober Band
J. E. Hall Quarter Century Club
K. Szink Mutual Benefit Association
E. G. Stock Apprentice Alumni Association
G. J. Doss G-E Squares
Josephine Zimmerman Absent Employees

Vol. 8 APRIL, 1924 No. 4

AN APPRECIATION

We have secured permission to publish the following letter:

617 Walnut Street,
Fort Wayne, Indiana,
February 15, 1924.

Gerard Swope,
President of G. E. Company.

Dear Sir:—Being busy with the many little things of the home is the only excuse I offer for having delayed to send my and my husband's thanks for the receipt of the bonus. While our portion was not large it was nevertheless very acceptable, and helped us to pay some bills that had been put off for some time.

Wishing you and yours all good and a never ending prosperity to the General Electric Company, I am,

Sincerely yours,
MRS. J. G. McMILLAN.

In a later letter, granting us the permission, Mrs. McMillan mentions philanthropy and comments that "the just and progressive employer is the great-

est philanthropist, for if we are grateful for a gift how much more justifiable is our pride when by labor of mind or hand we are able to say 'I earned this.' "

Truly spoken and truly American. The bonus, or the supplementary compensation, as we prefer to call it, is not a gift, but it is an extra wage paid in recognition of continuous service for a period of five or more years, that is, for steadiness. It belongs to the recipient who has earned it. In recent years it has been paid in interest bearing notes or bonds. These are an evidence of indebtedness on the part of someone to the holder of the bond. The paper that is delivered to us says in fact, "I owe you money, if you will leave this money with me I will pay you an earning on it, but at any time you find yourself in urgent need of the principal sum, let me know and you may have it promptly." The name of the G. E. Employees Securities Corporation and the name of the General Electric Company appears on these bonds. We are dealing in credit, and the credit is of the highest rating. We are accepting the promise to pay of these two organizations, and the earning we secure from letting them use our money is a very high rate. If we can refrain from cashing the bonds the money we have loaned will earn us a high return, and we have set up an excellent reserve for that time when we can work no more.

It is the right of the registered holder of these bonds to cash them at any time, but it is our hope that the holders will know exactly what it is they are surrendering when they cash their bonds. It is not what we get in money that really counts, but what we save; not as misers who hoard their gold because it is gold, but as thrifty workers who strive to have some money working for them.

Do you remember what you were worrying about this time last year? Very few of us do.

Life is full of ups and downs—keeping expenses down and appearances up.

DID YOU MAKE ANY SUGGESTIONS AND GET ANY OF THE \$22,988 AWARDED?

Did you receive a share of the \$22,988 paid to suggesters during 1923? Was your suggestion among the 8,078 reviewed by the suggestion committees of the various works during the past year?

When one reads the extremely interesting and enlightening compilation of figures which has recently been completed concerning the suggestion awards made during 1923 these questions become most pertinent. That interest in the suggestion system in general is evidenced by the fact that, according to this report, there were not less than 100 suggestions submitted in any plant, while the committee in the Schenectady Works received, and reviewed, 4,850 suggestions.

Of the 8,078 suggestions reviewed by the various committees 1,752 were accepted. The company paid employees whose suggestions were accepted a total of \$22,988 in cash awards. These awards varied from \$1 to \$500 each.

The report shows that the Philadelphia Works, with an average of 760 employees during the year, stood head and shoulders above any other works in the percentage of employees making suggestions. The Philadelphia committee received 331 suggestions—which equals a suggestion from 43.6 per cent of the employees. Schenectady was its closest rival. There suggestions were received from 24.8 per cent of the average of 19,518 employees. The West Lynn works stood third, 14.5 per cent of its employees having submitted suggestions.

The Edison Lamp Works, on the other hand, lead all works in percentage of suggestions adopted. Of the 197 suggestions submitted, 95, or 48.1 per cent were accepted by the committee. West Lynn stood second with 154 out of 375 suggestions adopted—a total of 41.1 per cent. Bridgeport, where but 4.9 per cent of the employees made suggestions, stood third

AWARDS FOR SUGGESTIONS

Year Ended December 31, 1923

	Schenec- tady.	Lynn River	West Lynn	Pitts- field	Erie	Fort Wayne	Bloom- field	Bridge- port	Phila- delphia	Balti- more	Edison Lamp	TOTAL
Avg. number employees	19,518	10,020	2,584	6,473	5,534	4,949	1,933	2,137	760	1,192	5,058	60,158
Suggestions considered	4,850	661	375	345	438	496	119	104	331	162	197	8,078
Per cent of average employees	24.8	6.6	14.5	5.3	7.9	10.0	6.2	4.9	43.6	13.6	3.9	13.4
Suggestions adopted	908	203	154	110	58	27	22	39	102	34	95	1,752
Per cent of suggestions considered	18.7	30.7	41.1	31.9	13.2	5.5	18.5	37.6	30.8	21.0	48.1	21.7
Lowest award	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$ 5	\$2.50	\$ 2	\$ 1	\$ 1
Highest award	500	300	100	100	250	50	100	100	50	50	10	500
Total am't of awards	\$15,095	\$2,355	\$1,710	\$1,015	\$786	\$285	\$290	\$457	\$485	\$346	\$164	\$22,988

with 39 out of 104 suggestions adopted—a total of 37.6 per cent.

The tabulation proves, beyond all shadow of doubt, that the suggestion system has been effective in increasing the workers' interest in their work and has given stimulus to their inventive ability. It has brought about a realization that the company stands ready to reward individual effort toward the advancement of the electrical industry and the bettering of working conditions.

The suggestion system was a success during 1923. It should be more of a success this year. **Your idea may be** worthy of adoption and the company will pay for it if such is the case. Be one of those employees who receives a suggestion award during 1924.

GROUP LIFE INSURANCE

Deaths Reported in February, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
George T. Ham	Jan. 25	Estate
William Clark	Jan. 8	Estate
Thos. J. Gillen	Jan. 20	Wife
Fred J. Oliver	Jan. 8	Wife
<i>River Works</i>		
Mildred C. Curran	Jan. 26	Mother
George E. Rogers	Jan. 31	Wife
Daniel Delaquila	Jan. 31	Wife
James Fitzgibbons	Jan. 8	Wife
<i>West Lynn Works</i>		
Thomas F. Fenton	Jan. 27	Wife
Eva Duhamel	Jan. 5	Father
Charlotte M. Higley	Dec. 21	Niece
<i>Pittsfield</i>		
Alexander Jarvis	Dec. 9	Wife
Theodore S. Bassett	Dec. 8	Wife
Conrad Funk	Dec. 13	Wife
<i>Erie</i>		
Julius Kirk	Dec. 7	Wife
Frank E. Gray	Dec. 11	Wife
<i>Bridgeport</i>		
Joseph Kekacs	Jan. 30	Wife
Total—17 deaths		\$18,450

WHERE OUR WORKERS PLAY A PART

Moonlight streams through the easement window, flooding the room with its mellow brilliance. Two figures, side by side, silhouetted in the foreground. Hand in hand, faces raised to the light, they walk slowly across the room—and the picture fades out.

* * *

Making moonlight for the movies. Romance—manufactured in General Electric shops.

Although the company was a pioneer in the manufacture of moving picture apparatus, it is only during the last four years that it has had broad interest in helping Hollywood. Yet in this short time much apparatus of great importance to the motion picture business, infant prodigy of industries, has been developed.

Today G-E workers make motion picture projection lamps of both arc and Mazda type, studio lights, spotlights and motor-generator compensators. Thus the antics of Chaplin and the artistry of Arliss, together with the work of hundreds of other stars shining in filmdom, is brought into contact with the daily tasks of workers in G-E plants.

The final flicker has been taken from films by the high intensity arc lamp developed by the company. The first public demonstration of this lamp marked a new era in motion picture projection, technical engineers of the moving picture world declared. Yet this was when the day of the nickelodeon, where the hero chased the villain jerkily across the screen while



Gloria Swanson and one of the G-E Studio Lights which Insure Perfect Lighting for Her Pictures.

the audience wondered when the film would tear again, had passed. The lamp was first put into actual use in a Broadway theater where the showing of pictures had been developed to a high degree. It gave, on the screen, 100 per cent more light per kilowatt than the ordinary arc lamp. This added light meant clearer pictures at a considerable saving in money paid for current consumption.

Satisfactory projection using Mazda lamps is one of the recent developments in this field. Though not suitable for all theaters, these lamps give the projected picture a pleasing softness which minimizes harsh contrasts. These contrasts have, in the past, ruined the finest work of many directors.

It has been necessary to develop more than the lamp itself to perfect this method of projection. A special lamp house, spherical mirror, prismatic condenser lens, special lamp socket and current regulator have also been introduced to insure perfect projection.

The G-E studio light, resembling the large navy searchlights, and the spotlight, an adaptation of the projection arc, are both used in studio work. Under these lights, in the indoor studios of Long Island and the West Coast, the players enact the roles in which you later see them. Intended primarily for general lighting, these lights have been found useful in simulating sunlight and moonlight effects.

Moving picture houses of today are among the most sumptuous theaters in existence. Great sums of money are lavished that they may afford their patrons the utmost in convenience and comfort and may be places of beauty rather than mere gaudy show places.

Yet all this vast expenditure goes for nothing if films are not properly



BIRDSEYE VIEW OF OUR PLANT

screened. The projecting apparatus and the machinery controlling the electrical supply for the operator's booth are vital to any moving picture house. For this reason many theaters are equipped with G-E Motor-Generator Compensars, built in our Fort Wayne plant, which change the central station current to that required by the arc in the projecting machine.

The compensare makes for better pictures by allowing two lamps to operate at the highest possible overall efficiency. It permits perfect projection even by an inexperienced operator, assuring a steady arc, quiet operation, and a white light, free from discoloration.

In Lynn, Fort Wayne, Schenectady and the lamp works, workers are daily doing their bit to help Hollywood. Our part in the motion picture industry is an important one, and one, the results of which we may often see.

THE G-E EMPLOYEES SECURITIES CORPORATION BALANCE SHEET AND INCOME ACCOUNT

The December 31, 1923, balance sheet of the Employees Securities Corporation and income account for 1923, printed above, will be of interest to all employees of the General Electric Company who have invested, or desire to invest, their savings in G-E Employees Securities Corporation bonds. The balance sheet shows the financial conditions of the Corporation and the

income account shows what was earned during the year.

The Employees Securities Corporation sells its capital stock and bonds to the General Electric Company, and with the proceeds purchases securities of the General Electric Company and representative electrical public utility companies which are held as security for the bonds. Out of the income received from its investments it pays the expenses of running the Corporation and the interest on its bonds, and any surplus goes to the surplus account and may be used for purchasing additional securities, or for dividends on the Corporation's stock, or may be held as a further reserve.

A brief explanation of the various items in the balance sheet will perhaps be of interest:

"Investment Securities—at cost" represents the cost of General Electric Company stock and the securities of public utility companies owned by the Corporation.

"Interest earned on securities but not yet due" represents the amount of interest on bonds and notes owned, which have been earned but is not yet due. This item does not include anything for accumulated dividends on stocks because it is not considered that dividends are earned until they have been declared by the issuing company's board of directors.

"Cash in Banks" represents the amount of cash the Corporation has available for paying expenses and purchasing securities.

Under "Liabilities" on the balance sheet, the item "Employees Securities

Corporation 6 per cent bonds outstanding, due February 1, 1973," represents the amount of bonds which have been issued and sold to the General Electric Company. These bonds in turn are sold by the General Electric Company to its employees. The Employees Securities Corporation pays the General Electric Company 6 per cent on these bonds, and the General Electric Company adds 2 per cent to employees who hold their bonds, making the 8 per cent which is paid to original employee owners.

"Accrued interest thereon" represents the amount of the 6 per cent interest which has accumulated against the outstanding bonds, but which is not payable until the next interest date.

"Accounts payable" is the total of all bills owed by the Corporation for securities purchased and not yet paid for, operating expenses, etc.

"Capital Stock and Surplus" represents the value of the capital stock outstanding, plus surplus earnings. "Paid-In Capital" means the amount of cash paid by the General Electric Company to the Employees Securities Corporation for 15,000 shares of capital stock. "Surplus Earned" is the amount of income in excess of expenditures from the date of incorporation to December 31, 1923, as shown in detail in the income account.

The "Income account" requires no explanation. It shows that the Corporation earned \$139,794.79 over all expenses and 6 per cent interest on its bonds, and this profit, being retained in the surplus account, increases the

G-E EMPLOYEES SECURITIES CORPORATION

BALANCE SHEET

As at December 31, 1923

ASSETS

Investment securities—at cost.....	\$9,189,540.75
Interest earned on securities but not yet due.....	21,691.59
Cash in banks.....	366,717.32

LIABILITIES

	\$9,577,949.66
G. E. Employees Securities Corporation 6% Bonds outstanding, due February 1, 1973.....	\$7,500,000.00
Accrued interest thereon.....	37,500.00
Accounts payable.....	25,654.87
Capital stock and surplus:	
Authorized and issued—15,000 shares of no par value:	
Paid-in capital.....	\$1,875,000.00
Surplus earned.....	139,794.79
	2,014,794.79
	<u>\$9,577,949.66</u>

INCOME ACCOUNT

From date of incorporation
January 6, 1923, to December 31, 1923

INCOME

Dividends on stocks owned.....	\$389,842.88
Interest on bonds and other securities owned.....	76,573.51
Interest on bank deposits.....	19,582.91
Profit on securities sold.....	49,823.00
	<u>\$535,822.30</u>

EXPENDITURES

Expenses	\$46,027.51
Interest on G. E. Employees Securities Corporation 6% Bonds.....	350,000.00
	<u>396,027.51</u>
Net income.....	<u>\$139,794.79</u>

Certificate of Auditors

We have audited the accounts of the G. E. Employees Securities Corporation from the date of Incorporation, January 6, 1923, to December 31, 1923, and hereby certify that the foregoing Balance Sheet and Income Account properly reflect the financial position of the Corporation as at December 31, 1923, and the net income for the period.

(Signed) MARWICK, MITCHELL & CO.

Accountants and Auditors
40 Exchange Place, New York

February 21, 1924.



RALPH DITTON



RALPH CLARK

Recent Graduates of Apprentice School

TWO APPRENTICES GRADUATED DURING MONTH OF MARCH

Ralph Ditton graduated from our three years' Electrical Tester Course March 1, 1924. He completed satisfactorily both the shop and school work and was rewarded with a diploma and a seventy-five dollar (\$75.00) bonus.

Mr. Ditton was born in Arcola, Indiana, but received his schooling at Urbana, Indiana, completing a four years' high school course; after leaving school he worked at Bowser's for a short time. He later enlisted in the army and was assigned to the medical corps. He was in the army for a year and served eleven months overseas. On leaving the army Mr. Ditton came to the General Electric and enrolled in the Electrical Testers course which he has just completed.

Mr. Ditton is now working in the Fractional Horsepower Sales Department under Mr. A. J. Franeis.

Ralph Clark graduated from our Machinist and Toolmaker course, March 1, 1924, and was awarded a diploma and a fifty dollar (\$50.00) bonus.

Mr. Clark was born at Pemberton, Ohio, but received his schooling at Defiance, Ohio, having attended the high school at that place for three years. After leaving high school he enrolled in our Apprentice course. During his employment here he has been quite active

amount of security back of the bonds which have been sold to employees.

Marwick, Mitchel & Company, a firm of public accountants, has certified to the accuracy of the balance sheet and income account.

in the various athletic activities around the plant, being a member of the G. E. A., baseball, football, basketball and water polo teams. Mr. Clark is now working in the tool room, Building 26-5, for Mr. Hoffman.

APPRENTICE ALUMNI ASSOCIATION

As predicted, the doubles-bowling tournament of the Association, on Wednesday evening, February 27, at St. Paul's Hall, was a bigger event than the five-man tournament held one week before. Karl Geller and Ed Knoeke won first prize with a score of 932. Don Smith and Ed Ehrman were second with 874, while Ed Horning and Lloyd Welbaum won low. Karl Geller and Ed Knoeke also won the prize for high single game, with a score of 335.

The next number on the program of G. E. A. A. A. will be a visit to the Auburn Automobile Factory, Saturday morning, April 5th. The trip will be made by automobiles. After the trip through the factory we will have a noon luncheon at Auburn, at which several of the officials of the Auburn Manufacturing Company will give short talks on the methods of automobile manufacture.

Tuesday evening, April 15th, the regular quarterly business meeting will be held in Building 16-2. A buffet lunch will be served at 8 p. m. An interesting talk will be given by one of Fort Wayne's prominent business men. A vaudeville act has also been booked for this meeting, thus insuring plenty of entertainment.

Extra! Extra! We were about to go to press when along comes Elmer

Sauerwein and makes us add a few words. These words are: Elmer is now a benedict. Yessiree! Miss Vera Fredericks of the Pay Roll Department, and Mr. Elmer Gust Sauerwein, of Frank Hoffman's department, were united in the Holy Bonds of Matrimony on Wednesday, March 19th. Karl Geller was official chauffeur for the occasion, he having the privilege of Chevveying the newly-weds to the depot. On arriving there they departed for Chicago to spend several days. From there they will go to Milwaukee to visit friends and will motor back to Fort Wayne. Good luck Elmer, old kid, and may your married life be full of joy.

—E. G. S.

G-E SQUARES

Entertain University Men at Huge Smoker—Four Members Leave—Two Men Are Initiated

Thursday evening, February 8, marked a red letter occasion for the G-E Squares when they entertained at the first collegiate smoker ever held at these works. The committee in charge was A. A. Ralston, chairman; L. O. Adams and G. H. Stinson, and they left nothing undone to make the occasion one to be long remembered. Activities started at 8 o'clock when the reception committee consisting of Erie Smith, A. B. Simmons and A. G. Masters welcomed about seventy-five men and presented each with a corn cob pipe and name card tied in fancy ribbons.

Mr. O. B. Rinehart, assistant to the manager of the Fractional Horse Power Motor Sales office, was the speaker of the evening and gave a talk that was well appreciated by all in attendance.

H. G. Hoglund welcomed the guests and introduced for the first time the G-E Squares quartet, consisting of L. O. Adams (leader), G. H. Stinson, J. F. Eitman and P. A. Vance. Emerson Vesters, of the Apprentice Association, was the accompanist. Vesters' ability as pianist was well demonstrated by several of his piano selections which followed the appearance of the quartet.

Following this, several Swedish folk songs were sung by Karl Lagerlof, who recently came from Sweden to work with the G. E. Co. He is already an active member of the "Squares."

E. Geberts and J. Hunting, novelty entertainers, gave a number of specialty numbers, which produced a volume of laughter.

After the musical numbers the Squares Dramatic club made its initial appearance in "Rosalie," with G. H. Stinson taking the part of Monsieur Bob; H. H. Whitney, Jr., the part of Madame Bol, and A. A. Ralston the part of Rosalie, the maid. The play was received very well on the part of the audience and all agreed that Ralston was a fine looking maid.

It didn't take much urging to get the crowd into the banquet hall when the entertainment was over, and every one ate heartily of the buffet lunch which was served without a buffet. The evening broke up in college songs and cheers by the various groups and pep was displayed by old and young as it had not been since the days they left their Alma Maters.

The following colleges were represented:

Purdue University.
Cornell.
Buchnell.
Brown College.
George Washington University.
Ohio Northern.
Notre Dame.
Rose Polytechnic Institute.
University of St. Louis.
Stanford University.
University of Illinois.
Valparaiso.
Worcester Polytechnic Institute.
University of Wisconsin.
University of Idaho.
Cooper-Union College.
Iowa State.
University of California.
Trinity College.
Union College.
Massachusetts Institute of Technology.
Tri-State College.
Manchester University (England).
University of Missouri.
Portsmouth Tech. (England).
University of Michigan.
Case School.
University of Upsalla (Sweden).
Alabama Polytechnic Institute.
Oregon Agricultural College.
Tufts College.
Vesteras Technical Institute (Sweden).
Throup College.
Clarkson College.

Four prominent members of the organization left us during the last month, three to further their work in Fract. H. P. Motor Sales and one to return to his home in England.

T. R. Routh was the first to leave and is now with the Chicago district office of the F. H. P. M. Sales. "Babe," as he was always known, was held in high esteem by his fellows and his work for the Squares was untiring. He was captain of the basketball team, chairman of the athletic committee, and a willing worker in all other "Squares" activities. He was followed closely by A. G. Masters, who left for the Dayton office, and H. H. Beck, who left for the Cleveland office. A. E. Slater sails soon for his home in Ipswich, England.

February fifth the monthly business meeting was held and two new men were initiated:

K. G. Lagerlof, of Sweden, and E. M. Chelley, of Purdue University. After initiation and a short business session, the meeting broke up at an early hour.



FRED MILLER



CHARLES C. RAQUET

QUARTER CENTURY CLUB

Fred Miller Retires

On February 29th, Fred Miller, a charter member of the Quarter Century club, celebrated his 17th birthday. His fellow workmen in the carpenter shop were called together by Foreman Robt. Gollmer, during the noon hour, February 28th, to extend to Fred their congratulations. It is reported that Mr. Gollmer put in all his spare time for several days and a few nights formulating a speech fitting the occasion. Mr. Gollmer's address was as follows:

"It gives me great pleasure, as foreman of this department, to express the good will and high esteem that every fellow workman in this department entertains for you. It is everyone's wish that I say to you 'we congratulate you on the 17th time that you have had the pleasure of saying 'This is my birthday.' We hope that you may enjoy many more birthdays. Further, I and your fellow workers wish to congratulate you on your thirty-eighth year of service with this company.

"A great many young men start, but for unforeseen reasons have to quit. Again, some start and after a few years the novelty of the job wears off and they disappear. What I wish particularly to congratulate you on is the staying quality you have displayed in sticking to your job with the company through good and bad years. Although I have only been your foreman about one-third of the time of your service here, I hold your willingness, good judgment and friendly feelings in the highest esteem. Again let us say, 'we all congratulate you.'"

After this, Foreman Gollmer, on be-

half of the fellow workers, presented Fred with a very handsome leather covered rocking chair, and Fred was enjoined to sit down and take a load off his feet.

On March 1, Mr. Miller was placed on the retired list.

Charles C Raquet Dies

On March 10, 1924, Chas. C. Raquet, foreman of the Meter Model Dept., Building 26-4, passed away at his home, 1123 Taylor street, of a complication of diseases.

Mr. Raquet entered the employ of this company December 20, 1894, and since that date has been continuously in its service. He was a careful, painstaking and industrious employee, and was held in high esteem by all his associates and the officials of the company. The funeral was held from his late residence Thursday, March 13th, the Quarter Century club attending in a body. There were also present a large number of the employees from the Meter and other departments of the Works, with whom Mr. Raquet had been associated.

William Donnell, retired, now living at Van Wert, Ohio, has been quite ill the past two or three weeks. We sincerely hope that Mr. Donnell will speedily recover.

MAKE MOTORING A PLEASURE—NOT A PERIL

We are all looking to the warm weather and open roads when we can take the family out into the country for the week end. The whole family can hardly wait. Dad has the family bus in shape ready for the first chance to take a long spin. Let's hope he

hasn't forgotten the brakes and steering gear in his overhauling.

The motoring season has its perils. This year there will be more cars than ever on the highways, hence more care will be needed than ever before.

There are enough rules on safe driving to fill a large book but the National Safety Council recommends these three especially: Keep your car in good condition, keep it under control and let the other fellow have his share of the road. Follow these and your chances of keeping out of court and out of the hospital are excellent.

The motoring season is open season for the nut who risks his family, himself and his car in the most assinine of outdoor sports—racing a train to the crossing. With several months of motoring ahead this season and several more seasons to come, it's worth while to play safe.

It is just as important to play safely as to work safely. When you are hurt through your own recklessness while motoring, you must foot the bills yourself. There isn't even the slim benefit of a compensation check.

Don't make the summer season the silly season. Make it safe and enjoyable for your family and yourself.

—National Safety News.



FATHER AND SON

"Say, dad, look here! Didn't you say I was a regular spendthrift about a year ago? Well, I fooled you—here is a \$100.00 G-E Employees' Securities bond which I have just received.

"I told the G-E Company to take \$2.00 a week from my wages this last year, and this is the result. It is no trick at all to save this amount, and you bet I am going to hold on to it and buy more when I get the opportunity. This bond will earn me 4% every 6 months as long as I remain in the employ of the G-E Company. That means \$8.00 a year. I can make it earn me more than that by signing this interest order and sending it in, because then the G-E Company will pay me 3% every 6 months on the earning of the bond, and when \$10.00 or a multiple of \$10.00 has accumulated the Company will send me another bond which will earn me 8% a year like the other one. The interest order makes the earnings compound, dad, and that is a wonderful way to earn money. You just WATCH IT GROW."

Field goals—Yager 2, Andrews 1, Oliver 3, Bryan 1, Byerly 1, R. Yager 1, Kern 4, Hamilton 3, Teeple 2, Steele 1.

Referee—Geller.

Decatur Employee Receives Suggestion Award

The Committee on Suggestions announces that Lohnas McIntosh was given an award of \$10.00 on a suggestion regarding a method of distinguishing CW from CCW rotation on the motor test tags used at the Decatur Works. His idea prevents making a mistake and sending out to a customer a motor having the wrong rotation. Previous to adopting it some trouble was experienced in reading the tags correctly but under the new scheme the rotation is printed on the tag in very large type so that errors can not be made easily. Mr. McIntosh is a stock clerk in the Decatur plant working directly under Mr. Lankenau.

New Faces in Our Midst

With this issue we wish to welcome to our Decatur plant the following people who have been recently employed: Nora Dudgeon, Florence Biggs, Chrystal Baltzell, Eva Garwood and Virgil Andrews.

He who saves not as he gets may keep his nose to the grindstone and die not worth a groat.—Poor Richard.

A shilling spent by a fool may be picked up by a wiser person who knows better what to do with it. It is therefore not lost.—Poor Richard.

If paper money in ever so great a quantity could be made, no man could get any of it without giving something for it. But all he saves will be his own for nothing and his country actually so much richer.—Poor Richard.



G-E Five Wins City Championship

On March 12 the G-E five defeated the Decatur Leaders for the city championship. The game was exceptionally fast which made it appear somewhat rough. An exceptionally large crowd witnessed this game which was very interesting from start to finish. Laurin Yager, who has been playing with both the G-E and Leader teams, held down his position of forward for the Leaders. Bruce Hamilton was called in to fill Yager's place. The Leaders were first to score on a free throw by Yager and a field goal by Oliver. Yager's field goal then brought the score to 5-0. Teeple's long field goal from the center of the floor gave the G-E five their first point. The score stood 13-13 at the end of the first half. The Leaders were first to score again in the second half. With a few minutes to go and the score standing 22-22, Kern staged a field goal and Teeple made two free throws, making the score 26-22 in favor of the G-E five at the end of the game.

The lineup is as follows:

LEADERS	GENERAL ELEC.
P. Yager	F
Andrews	F
Oliver	C
Bryan	G
Crist	G
	Kern
	Hamilton
	Kleinknight
	Peterson
	Teeple

Girls Department



MODERN business women—who have become a numerous group in every large city—are not forsaking their homes for their careers; instead they have both, according to Mrs. Elizabeth Sears, president of the New York Business and Professional Women's League.

She continues: "Electricity has minimized the effort and time required to make a satisfying home until women have to deny neither their home-making instinct nor their business ambitions." Mrs. Sears' statement was made upon the occasion of the publication of the annual report of the League, showing that of its 150 members in New York City, less than twenty live in hotels or boarding houses.

In giving the bulk of the credit to electricity, Mrs. Sears said: "Electricity has made us independent of even our house servants. Who wants somebody to get breakfast for her when her electric percolator is merely waiting for her to 'plug it in' to be busy making delicious coffee while she dresses, and there is a toaster or a grill ready to cook the rest of her breakfast?"

"In her determination to be well-groomed and attractive, the woman who works has no more powerful ally than her electric iron. We women who work side by side with men and have proved our worth know that we are far more valuable when we are earnest women than when we are imitation men. The charm of women's personal appearance has never been more important than now, so it behooves us to make a lasting acquaintance with a trusty electric iron."

Among the powerful modern aids toward the achievement of "home, sweet home," electricity has been given a place by a great many people for some time past. Not until the construction and exhibition of the "Home, Sweet Home" house at Washington, modeled after the original homestead at Easthampton, L. I., which inspired John Howard Payne to write his immortal lines a hundred years ago, has electricity openly and officially been designated as an important factor in enabling the dwellers in homes to crystalize the ideal of which Payne sang.

The national "Home, Sweet Home" house is an electrical home because, although it strives to promote the great home instinct, yet it recognizes the presence of modern conditions and modern methods. Modern conditions include the absorbing modern interests and exacting modern occupations; modern methods, in this case, are embodied

in electricity, which has much to do with providing the opportunity amid modern conditions to create homes that will in each instance be a "home, sweet home."

Those who visit this attractive dwelling set among the guardian trees of a spacious Washington lawn, within sight of the Washington monument, find it more comfortable and more convenient, in a material way, than John Howard Payne's old home could possibly have been. It's electricity that makes the big difference.

It's electricity that enables the individual who enters the national "Home, Sweet Home" house to press a switch to illuminate the hall in advance of stepping over the threshold, and then to illuminate each room before he enters it and to turn off the lights in the room he has just left—in brief, "to spread a path of light before him."

It's electricity, also, which provides the means for washing, ironing, cleaning and cooking with a minimum of labor and a maximum of leisure in which to cultivate those characteristics of mind and soul that alone actually make a "home, sweet home."

In building this novel dwelling, as an incentive to the movement for better homes throughout the United States, the most recent electrical features were put in, such as G. E. tumbler switches, and those three-way and four-way lighting switches which give control of the lights from almost any point. There are altogether twenty of these tumbler switches, and twenty-one G. E. convenience outlets. The recommendations of General Electric house wiring specialists were followed in making these installations.

Some might think that electricity alone is being relied upon to make the sort of "home, sweet home" that stirred Payne's heart, and through him has stirred the home instinct which millions feel from one generation to another. This is not true; the National Federation of Women's Clubs recognizes electricity merely as one of the material helps.

The sentiment from which springs a real home; the heart qualities, the social instincts, the spirit of the individual—these are intangible and these only make homes "sweet homes." Without electricity they can still exist; with electricity they are easier to cultivate and to make paramount.

Irene Harkenrider

We have been very urgently requested by friends of Irene Harkenrider to run this picture of her in this issue of the Works News. Probably a lot of her friends wished to have a picture of her to keep.

Irene, only 23 years old, left all her troubles behind on March 5 after being ill for six weeks. Although she had



MISS IRENE HARKENRIDER

only worked here since January 19, 1923, she had made a good many friends with her lovable personality.

She took quite an active interest in Elex club affairs, and at the last Hallowe'en party she walked off with the first prize for costumes.

Taken all in all, the girls would have given anything to have kept Irene with them, had it only been possible.

Mrs. Evelyn Baker Dreyer Leaves

The associates of Evelyn Baker Dreyer, of Building 19-4, gave her a farewell surprise party on the evening of February 25, in the form of a delicious chicken supper at 5:30 o'clock.

Dancing and bunco furnished entertainment for the evening, and prizes were awarded to Flossie Wood and Fern Burris, who in turn presented them to the bride, together with one dozen silver knives and forks which were the offering of departments 419 and 435.

The following girls were present: Leon Morton, Helen Snyder, Clara Keller, Leon Schieman, Bernadine Harkenrider, Marie Eising, Ireta Ervin, Florence Case, Mina Cleverly, Lile Reiser, Margaret Wesling, Virginia Sarazan and Dorothy Heidbrink, and the Mesdames Evelyn Dreyer, Flossie Davis, Flossie Wood, Arietta Wilcox and Fern Burris.

Edith Cottrell Goes to Hicksville, Ohio

The members of the Material List Department, Building 18-5, gave a farewell party for Edith Cottrell, who left the employ of the company on March 1 to accept a position with a

real estate firm in Hicksville, Ohio, her home.

The dinner party was held in the private dining room in Building 16-2. All did full justice to the chicken dinner and "trimmings." Mr. Schultz did a little more than "full justice" as he kept the Works' doctor busy all afternoon.

Edith was presented with a gold mounted fountain pen by the crowd.

March 8—Sadie McKean's Birthday

A surprise party was given at the home of Bessie Van Buskirk, on Columbia avenue, Saturday evening, March 8, because it was the birthday anniversary of Sadie McKean. The girls played bunco, danced and sang. Bertha Beck, Frieda Trautman and Olive Gaunt won the prizes for playing bunco. Later a three-course luncheon was served from a table artistically decorated in a pink and white color scheme. Roses were used as the centerpiece and crystal candlesticks holding pink tapers were at either end of the table. Sadie received a fine gift from the girls.

Covers were laid for Velma Vincent, Eva Corcoran, Elizabeth Sheets, Johanna Allis, Hilda Hunziker, Clara Lauer, Marcelline Lauer, Lillian Courtney, Olive Gaunt, Bertha Beck, Sadie McKean, Frieda Trautman and the hostess.

Luella Mueller Celebrates Birthday Also

A surprise birthday party was given in honor of Luella Mueller at her home March 18. A chicken supper was served after which the girls enjoyed a bunco party. The prize was awarded to Hazel Creek. Luella received several of the nicest gifts. The party was composed of Luella Mueller, Alice Daily, Mabel Wasson, Hazel Creek, Hilda Mueller and Mrs. Mueller.

Girls From Building 18-2 Give Party

A group of girls from Building 18-2 got together one day and decided to give a party on March 10 just for a good time. Accordingly when March 10 arrived, the girls invited Janett Sunshine, a girl from outside the plant to come also, and they had their party in Building 16-2. It proved to be a great success. Louise Borgman entertained the girls with several solos, and after that the girls danced and played games.

Those present were: Cecil Pooler, Harriet Safer, Alice Stahl, Louise Borgman, Theresa Songer, Agnes Werhle, Hulda Berg, Lois Hammon, Mrs. Elizabeth Elbersen, Dorothy Wagner, Esther Quinn and Myrtle Derr.

Marriages

Building 17-4 Field Department.

Lanory Strayer, of Building 17-4, Field Department, and Mr. Lee Cupp were married January 26. We wish them much happiness.

Ida Strause, of the same department, followed in Lanora's footsteps and was married February '2 to Mr. Floyd Patterson.

Building 17-3, Repair and Return Department.

The folks who work with Juanita Tieman Moring in the Repair and Return Department, Building 17-3, gave a dinner party for her in Building 17-2, February 29. Juanita was very glad she went to the party, because when she got there she had lots of lovely gifts just thrust upon her.

The cause of all the excitement and generosity was Juanita's marriage to Mr. Melvin Moring on March 1.

Building 18-2.

Helen Gnau and Lillian Stucky entertained at a prettily appointed party given at the home of the former on Friday evening, March 7, in honor of Mrs. Edwin Orr, formerly Deloras Bargerhoff, who announced she had been married on March 6.

The girls played bunco in absolute ignorance of the great news until the winner of the first prize, Clara Stevens, had been announced. When she opened her package she found a wedding ring to which was attached a piece of paper reading: "Edwin and Deloras, March 6." Clara Stevens and Mrs. Neeb, the two prize winners, in return for the glad news presented their prizes to the bride.

The girls livened up the evening with music and singing. Later in the evening a dainty two-course lunch was served to: Gertrude Traxler, Clara Stevens, Josephine Wehrle, Edna Sarazen, Leota Boxel, Rosella Kiep, Katherine Neeb, Morrice Gnau, Florence Gnau, Ruby Douglas, Mrs. Orr, Helen Gnau and Lillian Stucky.

Fay Melching, of the Pay Roll Department, was married Wednesday, March 19, to Mr. Wm. Borrer, who is employed in the bank at Ossian, Indiana. After the wedding they left for Van Wert, Ohio, on a honeymoon trip. Mrs. Borrer has resigned her position in the Pay Roll Department.

Vera Fredericks, of the Pay Roll Department, was married on Wednesday, March 19, to Mr. Elmer Sauerwein, also an employee of the General Electric Company in Building 26-5. Mr. and Mrs. Sauerwein went to Chicago on a honeymoon trip.

Katie Kranz was married to Mr. Jack Horton on March 8. The bride was attended by Cecil Baker. When Katie returned to work she was given a joy ride in an old can with a cow bell attached.

Mildred Weicht, of Building 19-5, was married to Mr. Frank Traut on February 24.

Blanche Marschand was married to Mr. Glen McDonald on February 23, at Hillsdale, Michigan. The couple work in Building 19-5.

Genevieve Parady was married to Mr. Joseph Nehr on March 1, at Payne, Ohio. The bride is employed in Building 19-5.

Ethel Tucker, of Building 19-5, was married to Mr. Louis Miller on March 1 in this city.

Nora Goings and Mr. Hubert Doud, both of Building 19-4, were married on March 1.

The air is full of secrets, sh-h-h-h, don't tell anybody, but Mabel Gehr, of Building 19-4, leaves March 28 to take up her duties as housekeeper.

Everyone wishes these new brides a long and happy life.

Elex Club

The Elex play was a decided success. At least five hundred people attended the two performances of "The Dust of the Earth," given at Emmaus Hall on March 13 and 15. Everyone who saw it enjoyed it, and many declared it the best amateur play they had ever seen.

The members of the cast performed their parts splendidly. It would be difficult to mention leading characters for all were equally good. Alma Olson, who played the part of Nell, "the dust of the earth," was wonderful. Bursts of laughter greeted the efforts of Irene Meyers, who ably acted the part of Miss Arabella, the village newspaper. Luella Tarman, as Elizabeth Moore, well deserved the beautiful bouquets which were presented to her. Anna Jennings played the part of Mrs. Moore in fine fashion. Fred Boedeker, as Mr. Moore, did perhaps the most realistic acting among the boys. Edward Horstman, as Jerry Moore, brought in some clever comedy sketches. (Wasn't that the most beautiful spill on the roller skates when he bumped into Miss Arabella?) Cecil Lombardo took the part of the Rev. Dr. Templeton, a young divine, in his usual good way. Jerome Moser was fine as Wandering Tom, a mystery who eventually turned out to be Nell's father. The part of Old Mose, his negro companion, who knew a gentleman as soon as he saw him, was well done by Howard Ward. Calvin Langohr was the hero of the play in the person of John Ryder, the young master of The Maples.

Mrs. Harry Hogan is the one to whom credit should be given for the splendid performance, for she did the directing. We are ever so much obliged to her for the time and effort she spent on the play.

Wasn't that a dandy vegetable bouquet that Irene got the first night of the play?

However, she got a real bouquet of roses on Saturday night, as did all the other girls in the cast.

When Elex had its club get-together on March 19, we all collected in the gym and had a delightful half-hour playing games, directed by Miss Venema, at the same time the other clubs were having stunts and programs in other rooms. We wish we might have seen all of them.

Afterward we joined the "Know Your City" class which went out to the Art School. Mr. Karl S. Bolander, the director, showed us the paintings which they have and the various tapestries that are on exhibition in the Little Art Theater during the month of March, took us through the class rooms and explained the work of the students, while he told us all we wished to know about the Art School. It was all very interesting.

On Tuesday, March 25, the Elex girls entertained their mothers with a party at the Y. W. C. A., which was a most enjoyable affair. They played many games during the evening, bunco chiefly, and there was a clever vaudeville show with dancing, recitations, and other entertaining acts. After all this excitement they were provided with sandwiches and coffee and left to their own devices.

It was just a dandy party, and we hope the mothers enjoyed themselves as much as we girls did. We should like to do it over again.

Y. W. Notes

Fourth term classes began April 1, and will continue until May 7. Supper is served in true family style at 5:50, and programs are given after supper from 6:30 to 7:30.

The "Know Your City" class will probably be continued, taking in places that were not visited last term. This is a very popular class. The first night 93 girls went to the jail. The second meeting was attended by 102 girls. The following places to visit this term have merely been suggested: Water Works, City Light, Library, Home Telephone Co., Lincoln Life, County Home, Orphans' Home, some bank, and perhaps one of the high schools. Don't these sound interesting?

They will continue sewing if there is enough demand for it, and the same will hold true of china painting, arts and crafts, basketry and gym.

HERE'S THE BEST NEWS YET. You want to be sure to attend the Federation County Fair planned for Saturday night, April 26. The Y. W. C. A. gymnasium will be so transformed for this occasion that you will not be

able to recognize it. Crowded with side shows, refreshment booths, fish ponds, entertainers of all sorts, with tin horns, confetti, and everything else, it will be a most appropriate setting for the best time you ever had.

We might tell you a few secrets if you don't tell too many people. Polly Botts has offered her services as an expert horsewoman for our benefit, and listen—Sh-h-h! Irene Meyers is going to be a mon—No, we guess we'd better not tell that. Anyway, you be sure to come, for there will be many surprises waiting for you.

The public is cordially invited to attend this fair—the more the merrier, you know.

There will be small charges for everything, so come well supplied with pennies.

7:30 p. m.—all evening.

Miscellaneous Notes

Mrs. Claud Koser, formerly of Building 19-4, left the employment of the company on February 26.

Lura Hacker has been employed as stenographer in the Works' Library and Publication Department to take the place of Lucile Faux, who resigned.

Emily Hoppas, fondly known to her friends as Barney, has been transferred from messenger work to the Blueprint Department.

The new employees in Building 26-4 are: Robert Chapman, Lucile Jordon, Wilda Baily and Muriel Spectel.

The new employees in Building 19-4 are: Rue Slane, Mintie Marchand, Mary Yazel and Carrie Williams.

Clara Hueber, of Building 19-5, has returned to her duties after a short illness.

Viola Hueber, of Building 19-5, has been absent for an operation on her hand and is improving nicely.

The new employees in Building 19-5 are: Arley Pence, Louis Harber, Blanche Hurley, Lena Hess, Fern Hostetter, Ruby Nickols, Eva Funk, Andrew Weisbrob, Hilda Bultemeyer, Hilda Kennerk and Betty Walsh.

Winifred Smith and Naomi Graver are new employees in the Pay Roll Department, Building 18-2.

Lucile Sarazen is a new employee in Mr. Fredendall's department.

ATHLETICS

G-E A. A

Y. M. C. A. Amateur Basketball

The final game of the season between Bowsers, winners of the first half, and General Electric, winners of the second half, resulted in a 22 to 12 victory for the tank men. While this game proclaimed Bowsers league champions, yet

the G-E five leads in total number of games won for the season. G-E also leads in the total number of points made during the season. Among the first six high scorers of the league appears the names of three G-E men. So even in defeat the G-E five have a record to be proud of. The final standing of the second half follows:

	Won	Lost	Pct.
General Electric.....	7	0	1.000
Wayne Knits.....	6	1	.857
Bowsers.....	4	3	.571
Corrugated.....	4	3	.571
Horton.....	3	4	.426
Pennsylvania.....	2	4	.333
Dudlo.....	1	6	.143
Wayne Tank.....	0	6	.000

Total points for season:

	FG	F	Pts.
General Electric.....	132	33	297
Wayne Knits.....	123	35	281
Bowsers.....	113	46	272
Corrugated.....	90	25	205
Wayne Tank.....	69	39	177
Dudlo.....	67	32	166
Pennsylvania.....	66	31	163
Horton.....	67	23	157

Individual Scoring

Name	Team	G	F	Pts.
Kreighbaum.....	Bowser	58	18	134
B. Hamilton.....	G. E.	44	8	96
Schlatter.....	Wayne Knit	36	9	81
Logan.....	Wayne Tank	29	18	76
D. Hamilton.....	G. E.	32	8	72
Hueber.....	G. E.	32	6	70
Brown.....	Horton	25	12	62
Crane.....	Corrugated	26	6	58
Holmes.....	Wayne Knit	22	11	55
Ginger.....	Horton	23	4	50

Intersectional Basketball

Section two by winning both halves of the intersectional basketball league, are the champions of the league. This team did not lose a game during either half and deserves all possible credit for the fine showing they made. The team was managed by E. J. Schurenberg and composed of players working in Building 26. Section five, composed of players working in buildings other than 4 and 6 east of Broadway, finished in second place. This team was managed by J. S. Dickerson. A total of ten games were played by each team. These games were played on Monday nights at the Central High School Gymnasium. The league had a very successful season. The standing for the entire season was as follows:

	W	L	Pct.
Section 2.....	10	0	1.000
(Bldgs. north of Wall St.)			
Section 5.....	7	3	.700
(Bldgs. east of Broadway excepting Bldgs. 4 & 6)			
Section 1.....	5	5	.500
(Bldgs. south of Wall St.)			
Section 3.....	5	5	.500
(Student Engineers)			
Section 4 (Bldg. 4).....	3	7	.300
Section 6 (Bldg. 6).....	0	10	.000

Y. W. C. A. Girls' Industrial Basketball

The Y. W. C. A. Girls' Industrial Basketball League has just completed a very successful season. The league started with four teams, but the Business College felt they could lick any of them so the league became a five-club league. The G-E sextette pro-

KEEPING FIT CONTEST

Standing of Major Departments on March 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Fractional H.P. Motor.....	22.25	11.32	49.18
2. Meter Department.....	18.15	11.32	37.65
3. Apparatus.....	5.39	3.78	29.84
4. Induction Motor.....	4.78	3.78	20.90
5. Building and Maintenance.....	11.25	11.32	-0.62
6. Contributing Department.....	20.12	28.31	-4.04
7. Decatur.....	6.81	11.32	-66.20
8. Transformer.....	11.25	18.86	-67.55

ceeded to take them down the line, not losing a game during the season. The Dudlo team finished in second place. The games were played at the Y. W. C. A. gymnasium on Friday nights. The Y. W. C. A. expects to take up indoor baseball in the very near future and it is expected that the G-E girls will do as well in this branch of sport. The standing at the end of the season was as follows:

	Won	Lost	Pct.
General Electric.....	7	0	1.000
Dudlo	5	2	.714
Wayne Knit.....	3	4	.429
I. B. C.	1	3	.250
Box Co.	0	7	.000

Meter Department Bowling League

While the Registers still retain first place in the Meter Dept. Bowling League, the Bases, who were in second place, have been shoved down to fourth. A tie exists for second and third places. The standing of the league March 21 was as follows:

Team	Won	Lost	Pct.	Ave.
Registers	21	12	.636	755
Terminals	17	16	.515	745
Covers	17	16	.515	745
Bases	16	17	.485	752
Elements	16	17	.485	740
Magnets	12	21	.364	729

Bushing regained the lead in individual averages by boosting his to 170, replacing Lawrence and Haberkorn, who have averages of 169. Snyder and Hueber follow with 167. Rietdorf's 253 is still high for individual scores, followed by Greek with 250 and Lawrence and Bushing with 234. Rietdorf rolled three games for a total of 626 pins. Snyder and Lawrence follow with 602 and 593 respectively. The Registers, 945 is high for a single game and the Terminals, 2,550 is high for three games.

Notes

Preparations are being made for the start of an indoor baseball league under the auspices of the Y. M. C. A. Arthur Kabish has been named manager and coach and the team has been practicing at the Emmaus Hall.

Henry (Heiney) Bergman, who will be remembered as manager of a cham-

pionship basketball team from Building 6 is now selling real estate. We didn't think Heiney would go into the real estate business until the undertaker put him there. But you never can tell. If he is as good a salesman as he was a basketball manager success is bound to come his way.

Kriegbaum, center of the Bowser five, was the chief factor in the defeat of the G-E five. The lanky pivot man, after playing on defense the first half, began battering the basket the second half, taking ten shots, making five of them count for points.

Don Bushee played a steller game at floor guard this year for the G. E. A. A. five. Don's work has been the best we have seen since the days of the peerless Ronald Baker.

To prove that they are real champions the team from Building 26 defeated an all-star team from the other teams of the league by the score of

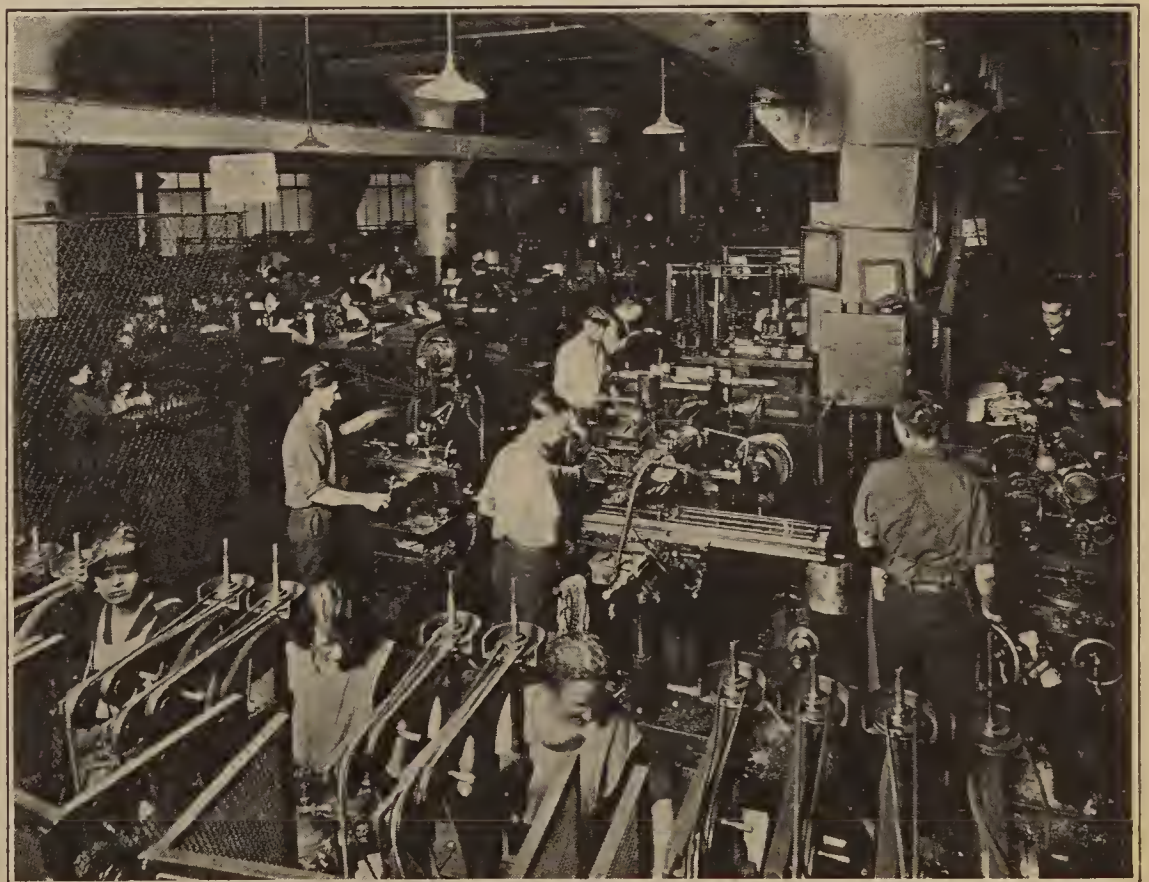
24-21. The score at the rest period stood 10-7 in favor of the victors. The lineups of the two teams follow:

SECTION 2		ALL STARS	
Williams, Decker.....	F.....	Reynolds, Sec. 5	
Bond, Williams.....	F.....	Groves, Sec. 1	
		Schoenherr, Sec. 4	
Blincoe	C.....	Martin, Sec. 5	
Martin, Biedenweg.....	G.....	Neeb, Sec. 4	
Bower	G.....	Glenn, Sec. 6	

HONORABLE MENTION IN KEEPING FIT CONTEST

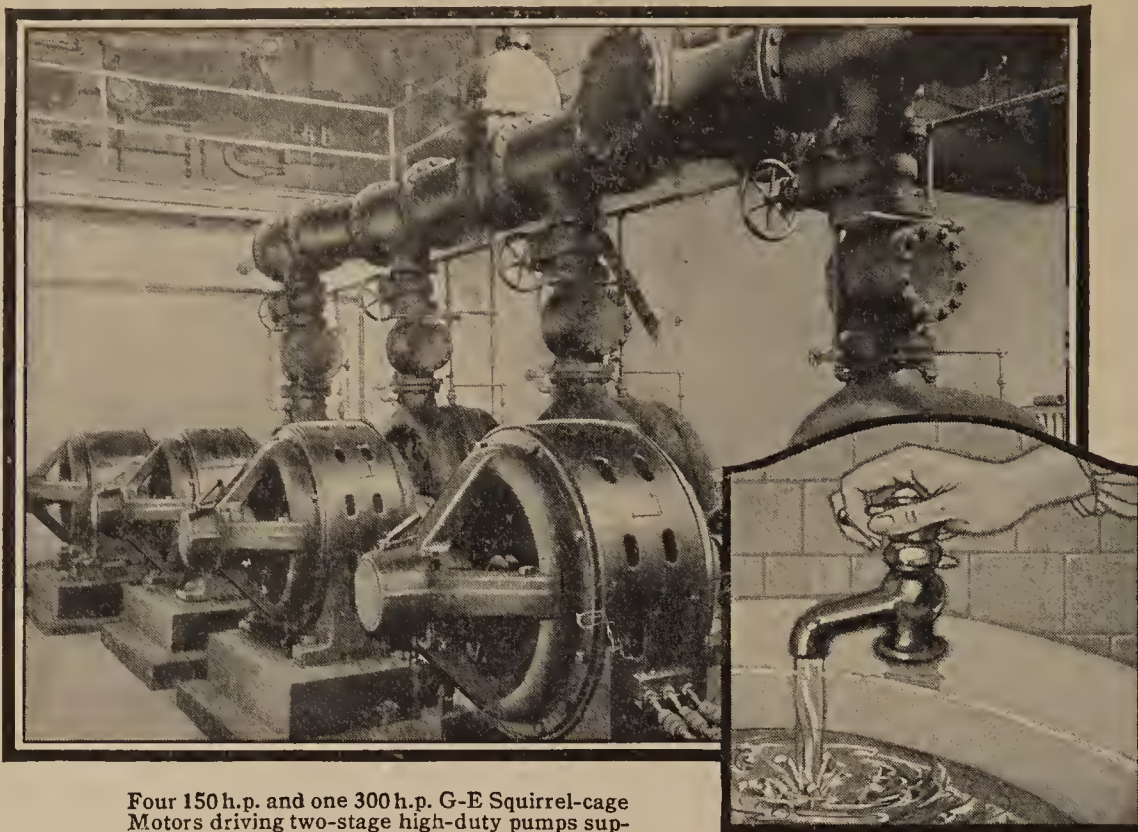
The Meter Element and Winding Department No. 418, Building 19-5, in charge of H. E. Snyder, foreman, with 112 people, on March 22, had not had a lost time accident this year.

The Mechanical Maintenance department in charge of Mr. Henry Stahlhut, has had but three (3) lost time accidents this year. This is a good record when we consider the high rate of hazard of this department.



METER LIGHT MACHINE DEPARTMENT BUILDING

This department in charge of D. Daniels, foreman, with 128 people, up to March 22, has not had a lost time accident.



Four 150 h.p. and one 300 h.p. G-E Squirrel-cage Motors driving two-stage high-duty pumps supplying Great Falls, Montana.

The new oaken bucket

"I wish to do something both great and useful for Paris", said Napoleon to an advisor. "Give it water", was the reply.



This monogram, which you see upon electric motors, generators, fans and lamps, is the symbol of a nationwide organization for the service of every community which wants to make electricity do more and better work—the General Electric Company

No longer do city homes depend on wells or nearby rivers. The old oaken bucket is replaced by electrically driven pumps. In Minneapolis, for instance, a General Electric motor of 1800 horse power drives pumps which supply 30,000,000 gallons a day.

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing in General Magazines

FORT WAYNE WORKS NEWS



Vol 8

May, 1924

No. 5



Craftsmanship

Many of the employees in our plant come here, no doubt, because of their natural liking for mechanical work. However this may be, we have in our plant many fine mechanics who are keenly interested in their work. Craftsmen, it seems, is the term which best describes these workmen. You will find them scattered about in all parts of our plant, but it is on the fifth floor of Building 26 that you will find an unusual assemblage of these men. They build the jigs, fixtures and dies used throughout our plant. It is because of the skill possessed by these men that we have selected a view of the Tool Making Department under Foreman F. R. Hoffman, for the cover of this Works News.

In this department the finest of machine and hand tools are used. There are rows of lathes, drill presses and milling machines, each type of machine having its special operators. Also, there are grinding machines, filing machines and broaching machines placed handily here about. Then there are rows of benches at which the hand work is done.

Mechanics here work to extremely close limits. While this in itself requires skill, yet the jobs are complicated still further by the unusual shapes to which the work must conform. This still does not give one an adequate conception of the skill required for it also must be considered that dies are made of the finest high priced steels, and one of them may require weeks to complete. Obviously, a slight error when a job is nearing completion would involve an unusual amount of expense.

It is perhaps at the benches, in the assembling and hand-finishing that the finest work is done. A glance at the intricate nature of the work on these benches will convince even a casual observer that here unusual skill is required. The tasks are tedious and would be very irksome were these men not craftsmen with an inherent love for their work.

FORT WAYNE WORKS NEWS

VOL. 8

MAY, 1924

No. 5

FRED DURYEE RE-ELECTED BOND DIRECTOR OF G-E EMPLOYEES SECURITIES CORPORATION

Attended Annual Meeting at Schenectady April 14, 1924

At the annual meeting of the debenture bondholders of the G-E Employees Securities Corporation held at the fire station, Building 45, of the Schenectady Works at 11 a. m., April 14, Fred Duryee, of this Works, was re-elected a bond director. Two others of the former bond directors were also re-elected to serve during the ensuing year. They are S. S. Ringer, of the Lynn Works, and A. H. Snow, of the Pittsfield Works. The new bond directors elected were Wm. Turnbull, of Schenectady; L. S. Mugford, of Erie; L. S. North, of Bridgeport, and F. W. Muhlberger, of Philadelphia. Several of the bondholders from the Schenectady Works attended the meeting, and about three hundred and seventy-three thousand proxies from the various offices and Works were returned and voted at the meeting. All of the former stock directors were re-elected. They are H. W. Darling, G. E. Emmons, A. H. Jackson, J. R. Lovejoy, G. F. Morrison, F. C. Pratt, F. S. Terry and S. L. Whitestone. Mr. S. S. Ringer, employee bondholder of the Lynn River Works, presided at the meeting.

Preceding the election of bond and stock directors the secretary's and treasurer's reports were read. These showed that the corporation had experienced a very successful year. (See balance sheet and income account, published in April Works News.) During the counting of the ballots, Mr. H. W. Darling, treasurer of the Corporation, gave a very interesting talk on the differences between the various classes of bonds, mortgage bonds, debenture bonds, etc. He also touched on the difference between common and preferred stocks. In speaking of Mr. Darling's talk, Mr. Duryee remarks, he wishes every local holder or prospective purchaser of G-E Employees Securities Corporation Bonds might have been present to hear it. Following the election of directors, the annual meeting of the stock and bondholders adjourned.

In the afternoon of the same day



FRED DURYEE

occurred the first meeting of the newly elected board of directors, Mr. Ringer again presiding. At this meeting the officers of the corporation were elected. This election resulted in the selection of the same officers who directed the Corporation's affairs last year. Namely: G. E. Emmons, president; J. R. Lovejoy, G. F. Morrison and S. S. Ringer, vice-presidents; H. W. Darling, treasurer; W. W. Trench, secretary; Graham Calder, assistant treasurer, and John Riley, auditor.

Mr. Duryee says he counts it quite an honor and a privilege to represent the local bondholders on the board of directors, and that he will be glad to give any information that he can to anyone who is a bondholder or to anyone who contemplates investing in the bonds of the G-E Employees Securities Corporation. He suggests we remind our readers that any employee who has been in the service of the Company at least six months is entitled to purchase up to \$500.00 worth of these bonds this year. Although the time for subscription on the deductions from payroll plan is passed, yet the opportunity to purchase for cash is still open and the purchase will earn 8 percent a year while the holder remains in the employ of the G. E. Company. Anyone interested should consult Mr. Duryee or should call at the cashier's window, second floor of the general office, Building 18.

WAR MEMORIAL FINANCING A SUCCESS

The war memorial is an assured thing. The money to purchase and erect it, we are all delighted to know, is in the committee's hands in pledges and cash. The contract will soon be let, the list of names is practically complete, and before long the placing of the foundation will be done. Armistice Day will see the memorial complete and ready to be unveiled, and for the years to come it will stand as a monument of which we may well feel proud.

That the members of the Foremen's Association were right in their assumption that the employees generally would be willing and glad to co-operate in the building of a war memorial was borne out by the response in the campaign for funds. An expression of the appreciation of the foremen's committee in charge, to all who have assisted in making the erection of the memorial an assured fact is carried in the letter which we reproduce below:

"April 18, 1924.

"Editor Fort Wayne Works News:

"In last month's issue of the Works News you had quite a lengthy article on the Memorial which we desired to erect and dedicate to the honor and memory of the employees of the General Electric Company, Fort Wayne Works, who answered our country's call to arms in the great World War. The committee that was appointed to devise ways and means to erect the memorial, and which had up to that time done a great deal of preliminary work, felt in order to bring it to a successful termination they must have the assistance and co-operation of all the employees of our Works. At this time it is very gratifying to me and every member of the committee to be able to say our hopes have been realized, and that the memorial will be erected in time to be dedicated on Armistice Day, November 11, 1924.

"I would appreciate very much if you, through the Works News, would convey my thanks and those of the committee to the employees of our Works for the splendid way in which they contributed to the success of this undertaking.

"Yours very truly,

"F. J. SCHWARTZKOPF,

"Pres. Foremen's Association."



SAMUEL RICHARDS

QUARTER CENTURY CLUB

Samuel Richards and Peter M. Braun
Elected to Membership

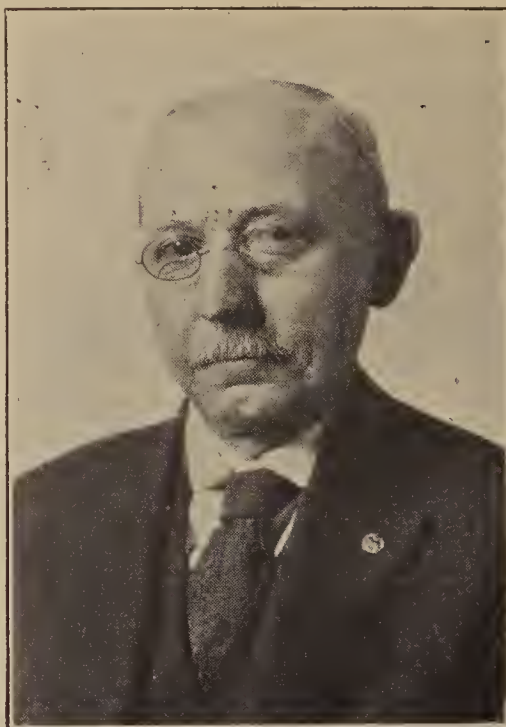
Two new members, Samuel Richards, of Building 2-3, and Peter M. Braun, of Building 12-2, have lately received Quarter Century Club membership buttons.

Mr. Richards entered the employ of the old Fort Wayne Electric Corporation November 26, 1897, when he was only a little over eighteen years of age. His first position was in the Arc Lamp Department. Later he worked for a time in the Punch Press Department, and thence in the Ice Machine Department. Of recent years he has been employed in the Detail Department under Foreman Rogge, in Building 2-3.

Mr. Braun completed his twenty-five years of service with the company on April 30, as it was May 1, 1899, that he started here at the Fort Wayne Works. It is interesting to note that Mr. Braun started work in the Pattern Shop, where he has been continuously employed during his whole period of service. He has worked on the patterns of practically all kinds of apparatus manufactured here and is now assistant foreman of the Pattern Shop.

DOES THIS APPEAL TO YOU?

The G-E Recreational Foundation which owns the property, corner of Swinney avenue and Broadway, is considering the advisability of removing the three brick houses and renting this space to employees for automobile parking space. The rate would be 50 cents per month. The ground would be



PETER M. BRAUN

platted and marked so that each car could be driven in and out independently of the others. Your space would always be reserved for you. Does this plan interest you? If so advise in writing R. O. Orff, Building 6-1, giving your name and department where employed.

G-E EMPLOYEES SECURITIES CORPORATION BONDS ARE POPULAR FORM OF INVESTMENT AT ALL WORKS

Two Thousand Five Hundred Employees
Subscribed in March

Employees of the General Electric Company are owners of, or are paying on the installment plan for, a total of \$11,458,260 of G-E Employees' Securities Corporation bonds. This was announced after a tabulation had been made of the subscriptions to the third offering of these bonds, these subscriptions amounting to \$5,339,800.

The total bonds subscribed for in all three offerings, in the various factories of the company, are as follows: Schenectady, \$3,584,010; West Lynn, \$373,570; River Works, Lynn, \$1,196,400; Pittsfield, \$737,570; Erie, \$833,770; Fort Wayne, \$742,150; Edison Lamp Works, \$617,140; National Lamp Works, \$1,003,310; all other factories, \$581,790; general office, \$986,120; district offices, \$802,430.

There were approximately 2,500 Fort Wayne Works' employees and 170 Decatur Works' employees who subscribed for these bonds during March of this year.

The total number of the company's employees who have subscribed to these

bonds, which pay 8 percent, as long as the individual remains with the General Electric, is around 26,710.

G-E BUILDS GENERATORS FOR MUSCLE SHOALS

Four water wheel generators, rated at 26,000 kw. each, to be installed in the power house now under construction at Muscle Shoals, Ala., have recently been ordered by the government from the General Electric Company. This makes eight of the contemplated eighteen units, to comprise the ultimate installation, which have been ordered. With a total capacity of 440,000 kilowatts, or 600,000 horsepower, the Muscle Shoals power plant will, when all equipment is in service, be the most powerful hydro-electric station in the United States, and one of the largest in the world.

Switchboard equipment to control all eight of the units ordered to date has also been ordered from the General Electric Company, as has the necessary auxiliary equipment. It is expected that the eight units now on order will all be delivered between March and May of 1925, and construction plans call for the beginning of commercial operation at Muscle Shoals in the latter part of 1925. At that time it is expected that all eight units, totaling 260,000 horsepower, will be in operation.

AWARDS ON SUGGESTIONS

The Committee on Suggestions announces the following awards made on suggestions up to April 22, 1924:

Mr. John Mullen, an award of \$5 on a suggestion to install a steel band on the inner circumference of the sand blast grates on the sand blast machine used by the Meter Department in Building 19-B. This device was used during the past year and saved the grates from wearing out. Mr. Mullen is an employee of the Meter Department working in Building 19-B.

Mr. Mel Michael, an award of \$5 on a suggestion to install a drinking fountain in the south end of Building 20-1. Since the first floor of this building has been partitioned into two parts this additional fountain has become necessary. Mr. Michael is employed in the Electrical Maintenance Department located in Building 20-1.

Miss Edna Tarmon, an award of \$5 on a suggestion to combine the rates for cleaning cores, marking fields, etc., of S. D. A. fields, manufactured in Building 17-4. This suggestion saves making out separate time tickets for each of these operations. Miss Tarmon is an employee of the S. D. A. Field Winding Department located in Building 17-4.

Miss Lulu Bender, an award of \$5 on a suggestion to paint the Bell Transformer Department, located in Building 26-3, a battleship gray. Miss Bender,

who is an employee in this department, conceived the idea that this would give the department a cleaner, brighter and neater appearance.

Mr. C. A. Day, an award of \$5 on a suggestion to furnish a skid to the stock coop in Building 3-2 to aid in unloading wire. While Mr. Day's idea was not adopted exactly as he wanted it, nevertheless a new routing of our industrial trucks going to this department was made to overcome the difficulties pointed out in his suggestion. Mr. Day is an employee of the Apparatus Stock room located in Building 17-2.

Mr. A. J. Baldwin, an award of \$10 on a suggestion to build permanent pits around the indicators controlling the stairway risers, located in our yards. This idea saves digging up the valve every time a defect or leak is discovered in them. Mr. Baldwin is an employee of the Power Plant located in Building 9.

Miss Hilda Puff, an award of \$5 on a new design winding steel used by the S. A. reinforcers in Building 4-5. This device makes the operation of inserting the tie strings easier to perform. Miss Puff is an employee of the S. A. Winding Department located in Building 4-5. At present she is on a leave of absence and the check for her award was mailed to her.

Mr. Archie Johnson, an award of \$7.50 on a suggestion to fasten the patrol lights rigidly, in some of our newer buildings. This idea makes it possible to replace burned out bulbs in these patrol lights without the aid of a ladder. Mr. Johnson is an employee of the Electrical Maintenance Department located in Building 20-1.

Mr. John Schopman, an award of \$5 on a suggestion to place guards on two milling machines located in the northwest corner of Building 27, Tank Shop. These guards were installed to safeguard the operator using these machines. Mr. Schopman is an employee of the Tank Shop, Building 27.

Mr. Howard Langenbahn, an award of \$5 on a suggestion to insert on the drawings the dimensions of the developed lengths of the copper strips used on current transformers. This idea will prevent confusion and establish a working standard for making these parts in the factory. Mr. Langenbahn is an employee in the Tank Shop, Building 27.

Mr. Ancil Buss, an award of \$7.50 on a suggestion to construct a longer arbor so that two induction motor bearings may be ground at one time. This device shortens the time of grinding these bearings. Mr. Buss is an employee in the Detail Department located in Building 2-3.

Mr. W. C. Denney, an award of \$5 on a suggestion to install separate ladders for the two cranes located in Building 22. This scheme will make it impossible for the oiler to get in

the path of one crane while working on the other. Mr. Denney is an employee of the Standardizing Department, Building 19-5.

Mr. Donald Hile, an award of \$5 on a suggestion for improving the toilets in Building 27. Mr. Hile is an employee of the Welding Department, located in Building 27.

G-E APPRENTICE ALUMNI ASSOCIATION

Visited Auburn Industrial Plants

Thirty-seven members of the Apprentice Alumni Association made a visit to the Auburn Automobile Company's plant at Auburn, Indiana, on Saturday morning, April 5th. Eddie Kammeyer was the first to be welcomed at Auburn. He was escorted down the main street to the court house and back again to the office of a justice of the peace, where he was relieved of some money because he failed to turn a street corner in the proper manner.

After we had all assembled in front of the court house we drove to the Auburn factory. The trip through the factory was of great interest to all, and the courtesy extended to us by the officials and employees of the Auburn Automobile Company and the class of work put into an Auburn car has made us all boosters for it.

At 1 p. m. we had luncheon at the Auburn hotel, at which time short talks, on the various phases of automobile manufacturing, were given by Mr. J. I. Farley, president and general manager; Mr. Watson, assistant general manager; Mr. Crawford, chief engineer; Mr. Faulkner, director of sales, and Mr. Wiley, assistant sales manager. Joe Miles, president of our association, acted as toastmaster for the occasion, and Mr. W. J. Hockett gave a short talk on the purpose of the Alumni Association, and explained to the officials of the Auburn Automobile Company some of the interesting things about the apprentice training system of the General Electric Company.

After luncheon we went to the Auburn Foundry, where we saw how castings are made. Since many of our own castings come from the Auburn Foundry, we found this part of our trip particularly interesting.

With the exception of Mr. Welbourn almost walking into one of the blast furnaces and half of our party getting stranded on the second floor of the foundry while they repaired the elevator, there were no accidents and the entire day's program was a decided success.

On Tuesday evening, April 15, the Association held its regular quarterly business meeting in Building 16-2. Three new members, Delbert Roloff, John Lare and Edward Kibiger, were taken into the Association at this time. These men were given the benefit of

an initiation ceremony, which was put on for the first time. The entertainment committee is acting as the initiation team. Next year a special team will be appointed to take care of the initiation work. New members are always welcome and we hope there may be more at our next meeting.

A short talk was given by Mr. Leo Mac Killop, on the apprentice training system at the Lynn works, of which he is a graduate. He also told of the affairs of the Alumni Association at Lynn, whose membership is approximately seven hundred and eighty-five men at the present time. The next event on the evening's program was a vaudeville act by Hamilton and Beach, after which Mr. C. F. Roembke announced the events for the next two months. The events are a dance to be given by the Alumni Association, some time in May, and a stag party at Clear Lake in June. After the meeting a lunch was served and the remainder of the evening was spent in playing cards.

Every day in every way we are getting better and better; let's keep up the good work, plus the spirit!

FOREMEN'S ASSOCIATION

Manager W. S. Goll Addressed Foremen at March Meeting.

The regular meeting of the Foremen's Association in March was featured by a most interesting and instructive talk by our Works Manager, W. S. Goll. A large majority of the foremen were present, and after a short business session Mr. Goll was given the floor. Mr. Goll's subject was "The Mercury Boiler and Mercury Operated Turbine," recently developed by W. L. Emmet, of the Engineering Department, at Schenectady. Following a description of the equipment, the speaker touched upon the more important possibilities of the development. Numerous lantern slides used during the talk helped greatly in giving a comprehensive idea of this new highly efficient power generating equipment.

Mr. Goll also spoke of the general business conditions over the country, and then gave the members of the association an idea of the present situation at the Fort Wayne Works and the outlook for the coming year. The address was one of unusual interest and the forerunner of others that the entertainment committee are arranging.

Following the address motion pictures were shown and the evening closed with a cafeteria lunch.

There have been instances where G-E Employees Securities Corporation Bonds have disappeared. If yours are not in a safety deposit vault better entrust them to the care of our Works Cashier.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Wade Reed.....(G-E A. A.) Athletics
Dorothy Hormel.....Girls' Department
G. R. Gawehn.....Illustrations
Verena Miller.....Decatur Works

REPORTORIAL STAFF

P. A. Shober.....Electro-Technic Club
LaVera Vail.....Elex Club
Carrol Blincoe.....Apprentice Association
Russell Haruff.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. E. Hall.....Quarter Century Club
K. Szink.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
J. C. Porter.....G-E Squares
Josephine Zimmerman.....Absent Employees

Vol. 8 May, 1924 No. 5

A SELF EXPLANATORY LETTER

March 27, 1924.

Mr. Earl Lenz:

Our attention has been called to your good work in the matter of making a rack for supporting your tool box. This rack was so neat and nicely made that Mr. Barnes decided that your design should be used as the standard for a number of racks to be used for this purpose.

I am writing this memorandum to compliment you upon this good piece of work as the matter was brought up before the suggestion committee the other day, but inasmuch as you did not put this in as a suggestion, it is a little out of the committee's province to act upon it.

I know you will be glad to know that the entire committee felt that you should be complimented on this work.

We are glad to see you take an interest in your work and in the neatness of the appearance of the plant, and I might suggest, if you have some other ideas, you would do well to put them in the form of a suggestion and an award will be granted if it is considered worthy.

Yours very truly,
(Signed) W. J. HOCKETT,
Industrial Service Department.

Are your G-E Employees Securities Corporation Bonds in a safe place?

IF NOT

We suggest you let our Works Cashier take care of them for you.

GROUP LIFE INSURANCE

Deaths Reported for March, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
John V. Groat.....	May 20, '23	Estate
Felix Martin.....	Feb. 3, '24	Children
Morris Cohen.....	Feb. 16	Mother
Henry A. Byrne.....	Feb. 26	Wife
Milo Carroll.....	Mar. 2	Wife
Martin Przibiscuski.....	Mar. 4	Wife
Joseph U. Giroux.....	Mar. 9	Estate
Albert H. Strube.....	Mar. 11	Mother
James J. Hughes.....	Mar. 14	Wife
John Jacob.....	Mar. 17	Wife
<i>River Works</i>		
Nicholas Del Mastos.....	Feb. 1	Wife
Alfred Kimball.....	Mar. 4	Wife
Patrick F. Duggan.....	Mar. 9	Wife
Francis C. Birks.....	Mar. 12	Wife
<i>West Lynn Works</i>		
James Ormerod.....	Feb. 16	Estate
<i>Pittsfield</i>		
Michael Atkinson.....	Jan. 24	Son
Richard Williams.....	Mar. 5	Wife
John P. Gorton.....	Mar. 11	Wife and Children
George Mapletoft.....	Mar. 16	Wife
<i>Fort Wayne</i>		
Alfred Happ.....	Feb. 22	Mother
Chas. C. Raquet.....	Mar. 10	Wife
<i>Erie</i>		
Wm. E. Richter.....	Feb. 28	Wife
Glenn F. Wilks.....	Mar. 12	Wife
Tony Chtaps.....	Mar. 14	Wife
<i>Bridgeport</i>		
John H. Rice.....	Feb. 29	Wife
<i>Baltimore</i>		
Joseph M. Farrell.....	Feb. 17	Wife
Total—26 deaths		\$30,700

INCANDESCENT LAMPS 1907—1923

During 1923 a total of 225,000,000 incandescent lamps, not including miniature lamps, was sold in the United States, according to statistics compiled by the company. Compared with 1907, the first year that tungsten filament lamps were introduced, this is an increase of 246 per cent. In 1907 total sales of tungsten lamps were 65,500,000.

The lamps sold in 1923 consumed electric current representing an estimated value of \$600,000,000. Had the same amount of light used by these lamps in 1923 been used in 1907, when lamps were of much lower efficiency, the cost of the electric current for that year would have been about \$2,225,000,000.

The use of miniature lamps was also very great last year. The total sale of these small lamps was 110,000,000 compared with 85,000,000 such lamps sold in 1922. Of the total number of such lamps sold last year 20 per cent were for pocket flashlights, 12½ per cent for Christmas tree lighting, 65 per cent for automobile lights, and the remaining 2½ per cent for miscellaneous purposes.

G-E SQUARES

During the past month it has been the misfortune of the G-E Squares to lose several of its members.

A. E. Slater, a graduate of the English College, Portsmouth Tech, returned to his home in Ipswich, England, where he will enter into the engineering activities of his native country. It is hoped that during his short time here

in this country, the ideas and experience gained in his association with the engineering industry in America will prove of value to him in his new work.

Another of the boys, Eric Smith, all the way from Oregon Agricultural College, has gone to the General Electric Company, Schenectady, where he will eventually take up International G-E work. An interesting letter from him and Gerald Doss, who left in January with similar plans, indicates that they are much pleased with Schenectady and their work on the test course. Some of their comparisons between the size of the works there and our own were rather amusing. It might also be of interest to note that they were surprised and impressed at the unusual responsibility placed upon the members of the student course there.

A. B. Simmons, who came to the Fort Wayne Works from Clarkson College, New York state, left the services of the General Electric Company this last month, and is now with the Duquesne Light and Power Company of Pittsburgh, where he is with his old friend and G-E Square, Paul Oldenburg. Al was a good old scout and he will be missed very much. Ask the boys in Small Motor Experimental Test if they know him.

H. H. Whitney, vice-president of the G-E Squares, from Tufts College, Boston, was recently transferred from Small Motor Commercial Department to the district office at New Haven, Conn. Whitney was one of the most active members of the G-E Squares, and his work and energetic zeal in behalf of the organization must regretfully be missed as well as his dramatic and entertaining ability and his unusually pleasing personality.

In spite of the recent rapid depletion of its members, the G-E Squares organization is still active and expects to augment its membership soon, when the usual group of graduates arrive at the end of the school year. Plans were made at the last meeting to assist these new men in getting located and to make them feel the fellowship and good will of the fellows here ahead of them.

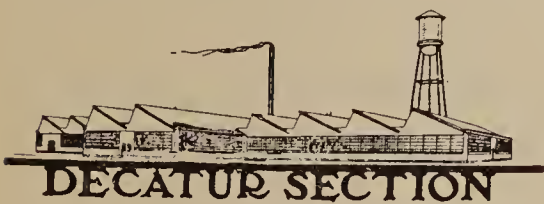
On account of the transfer of Mr. Whitney it was necessary at the last meeting to elect a new vice-president. J. C. Porter, of the Transformer Engineering Department, was elected to the office. It was also voted to hold a mixed social party some time during the month of May, and the social committee was instructed by President H. G. Hoagland to make necessary arrangements for the affair.

Several transfers have been made recently, H. C. Rath, E. C. Thompson and P. A. Vance being now in the Transformer Engineering Department. A. E. Bauman, too, has been transferred permanently to the same department. C. C. Davidson is located in the Small Motor sales office.



DECATUR BASKETBALL TEAM

Standing, left to right: Cal Peterson, guard; William Lindeman, sub-forward; Lonas McIntosh, secretary of Athletic Association; Chester Kleinknight, center. Seated, left to right: Linn Kern, forward; Fred Engle, president of Athletic Association; Jack Teeple, guard. First row: Forest Garton, forward.



DECATUR SECTION

Club Activities

Proposed Entertainment.

The Lenten season being over the Gecode Club members are enthusiastically planning to put on a number of dances. Only those who attend these affairs know of the general good times they have in store for them and what is more, they are the only ones who know what the rest are missing. We want everyone to attend these dances to meet with their friends and enjoy their company, if for no other reason.

Improvements of Club Room.

The floors of the club room and the kitchen have been given a fresh coat of paint and a number of kitchen

chairs have been revarnished. This adds greatly to the cozy, home-like surroundings in these rooms. Just a few months ago the Gecode Club girls, the Athletic Association and the firemen refurnished the club room with a wicker set, floor and stand lamp and installed a radio. With these improvements we feel that our club room is one to be proud of.

Reported Sick

Mr. Levi Strahm was off duty a few weeks because of sickness. During this time he had his tonsils removed.

Mr. Loyd Baker had his tonsils removed April 12 at the Memorial hospital. Two days later he reported for work.

Heard About the Tennis Court

Little boy, gazing at and sizing the well-dressed feet of Mr. Harry Yahne,

asked, "Do your feet cover all those shoes?"

Harry (considering), "Yes, and I suppose then some."

Athletics

The basketball season just closed has proven a very successful one for the Decatur Works. Our plant here had a team that held its own with any of the teams in this section. Twenty-five games were played during the season, the locals winning 20 and losing 5. The team which regularly represented the works consisted of Garton and Kern at forwards, Kleinknight at center and Teeple and Peterson at guards, with Lindeman as sub. "Boko" Yager, while in the employ of the company, held down the pivot position. To fill vacancies "Web" Oliver, of Monroe; Bruce Hamilton, of Fort Wayne; Meyers, Coppess, Bryan and "Dizz" Steele were called in.

Girls Department



Leap Year Dance on April Fools' Day

The ladies of the plant entertained the gentlemen at a Leap Year dance on April Fools' day. In order to attend the dance each girl had to have a partner whom she had asked to accompany her, and no young man could get in without having been asked by a girl. In short, there were no wall flowers at this dance and no seats were provided for such. Each girl, after she had obtained a young man's consent to attend the dance with her, provided herself with programs which she filled out prior to the dance.

However, there of course were obstacles to be overcome. Some girls were too bashful to ask young men to be their partners, and others did not know any young men to ask. Consequently, Miss Kinna was forced to open up a matrimonial bureau. She obtained the names of the girls who wished to go but lacked partners, and then she went about and obtained the names of the men who really felt themselves willing and eligible to go. And in order to make things run smoothly, she also found out each girl's and man's specifications for a partner. Some of these are exceedingly interesting. For instance, the following specifications were given by some of the men: Small both ways; stylish stout and without a pharmaceutical complexion; without bobbed hair; bobbed hair and with a tile-mill complexion; red hair—bobbed; good looking—Gladys Haiber's type; "the kind men don't forget;" pretty bobbed head; red head, bobbed, not too tall, blue eyes—that's all; factory girl not over 5 feet; a charming young lady of good looks, rather tall (not short), well built—someone with a "good line;" between three and eight feet, man funny enough so don't get a funny girl. While other gallants sang to the tune of "the thick and the thin, the short and the tall, I don't give a rap I love them all." On the other hand, some of the girls turned in the following specifications: Dark, without bobbed hair, glasses, "kinda" stout; not too tall; anything just so he is a good dancer.

After Miss Kinna had finally managed to pair off these "orphans" everyone was happy, and when the day of the dance rolled round, every one was standing on his toes with eager anticipation. Some had a strong suspicion that there would be no dance at all, which occurrence would carry out the April Fools' day end of the thing. But most of the people had not adulterated

their enthusiasm with any such suspicion.

Finally at 12 o'clock sharp the girls hurried to various parts of the plant after their promised partners and escorted them over to the dance floor in Building 16-2. They helped the young men down the stairs and up on the way over, held the doors open for them, always allowed the young men to precede them through doorways, and in every way showed them the courtesies they themselves know so well.

As each of the seventy couples arrived at the door, the young man was handed a paper packet of round discs which he was told to keep until later. Inside they found the hall gaily decorated in blue and white crepe paper and Mr. Kelley's orchestra at one end waiting for the signal to begin. The chaperones, the Misses Martha Scherzinger and Florence Case, and the Messrs. F. A. Thompson and C. A. Bireley were also there ready to receive the crowd.

And then the fun started. Everyone found his or her first partner, and from then on things moved quickly and happily. Confetti filled the air and serpentine paper coiled round and round the dancers until it gave the appearance of a paper jungle with a few human beings scattered here and there.

About the time everyone was getting used to seeing through this haze of paper the music stopped and to the amazement of all the dance was over. There had been seven dances in all, two fox trots, two waltzes, one one-step, a circle two-step and a tag dance. In the tag dance each girl was supposed to tag a new partner as often as she possibly could. Each new partner handed her one of the little discs from the packet he had been given when he entered the hall and the girl who obtained the most discs received a prize. Miss Ruth Lytal won the box of candy, because she had changed partners about ten times in three minutes.

Taken all in all the dance lasted just long enough to give people a taste of some real fun, and stopped in time to leave everyone's mouth watering for more.

The dance led to at least two Leap Year dinners. One of these dinners, attended by the Misses Ann Ball, Isabelle Ueber, Magdalene Welch, Gladys Haiber and Mary Harlan, and the Messrs. Paul Spiegel, Jack Renner, August Weisenburger, Ray Niebel and Arthur Slane, was given just before the dance in the officials' dining room; and the other, attended by the Misses Florence Lindeman, LaVera Vail, Beulah Kinna and Dorothy Hormel, and the Messrs. Neal Henseh, Ewald Kimm, J. T. Fredendall and Clarence Roembke, was given directly after the dance in the same dining room. In both cases the girls, having the desire to do things up right, entertained the gentlemen at these dinners, or, in other



MRS LOUISE ROGERS

words, they "took the gentlemen to get something to eat after the dance."

The whole affair was fine, and it served to show that some really worthwhile stunts can be put on during our short noon hour, if someone is only interested enough to devote his or her time to the arrangements.

Mrs. Louise Rogers, nee Webber, Leaves

The Apparatus Department in general and Mr. T. T. King in particular, suffered quite a loss on April 12 when Mrs. Rogers, formerly Miss Louise Webber, left the employ of the company. Mrs. Rogers had been an employee of this company for the past seven years. Married on October 13 of last year, Mrs. Rogers nevertheless stayed on until the 12th of April this year, when she left because she had decided that her home on Codey avenue really meant much more to her than her position at the G. E.

When she left Mrs. Rogers carried with her a happy memory of a dinner party the girls of the Apparatus Engineering Department had given for her the noon of April 8 in the officials' dining room. The memory is a picture of a table decorated with yellow and white paper and on which were bouquets of jonquils and tulips. And, best of all, seated around this table are the Misses Elsie May, DeVona Doehrmann, Olive Smith and Mary Crawford. Of course, the table is spread with food as well as flowers, and, oh, what merriment is floating around in the air.

Although your G-E Employees Securities Corporation Bonds are registered, yet it is best to keep them in a safe place.

If yours are not in a Safety Deposit Vault better see our Works Cashier.



MISS DE VONA DOEHRMAN

Miss DeVona Doeberman Leaves

The month of April apparently has been quite a hoodoo for the Apparatus Engineering Department. In addition to losing Mrs. Rogers, that department also lost Miss DeVona Doeberman, stenographer to Mr. Walter Kent. She left to take up nurses' training at the Hope-Methodist hospital.

The girls of the department expressed to her their hope that she would succeed by giving her a dinner party in the officials' dining room the noon of April 24.

Surprise on Mrs. C. Shrinpff

Mrs. C. Shrinpff, who until recently was matron in Building 17-4, was pleasantly surprised April 4 by the girls of the SDA Field Department. The surprise was in the nature of a dinner dance and was the first of its kind given during the noon hour.

Mrs. Shrinpff was greatly admired by all the girls because of her kindness to them. As an expression of their appreciation they presented her with a string of beads. The girls wish her success in her new work on her farm near Helmer.

The girls who participated in the affair were: Edna Tarmon, Emily Nerman, Genevieve Delcamp, Luella Tarmon, Martha Scherzinger, Lorinda Beyerline, Helen Wilhelm, Anna Buanno, Ferril Speckman, Lenora Cupp, Ida Patterson, Velma Cowell, Ella Schaff, Margaret Patton, Alma Volz, Vivian Tobias, Ruth Lytal, Irene Yearmau, Mildred Smith, Hilda Neeb, Carrie James, Bertha Basford, Clara Took, Roxie Miller, Mildred Moore, Josephine Fisher, Opal Ball, Helen Krieter, Sylvia Johnson, Rebecca Sheehan, Mabel Daugherty, Malinda Behrman, Louetta Girardo, Lena

Deitsche, Goldia Smith, Bessie Crick, Hilda Gehle, Elizabeth Ehle and Paula Schroeder.

Surprise Party on Lillian Steup

One of the most enjoyable parties ever planned was the one Hilda Walda gave for Lillian Steup to celebrate Lillian's birthday. On Saturday night, April 5, Hilda invited a number of G-E girls over to her house for a surprise party on Lillian. Well, it was a success, both as a surprise (you should have seen Lillian's face) and as a party. We believe we never had such a good time before, nor have we since—yet.

To start with, Jo Zimmerman, with the best wishes of us all behind her, presented to Lillian a traveling bag filled, we hope, with many happy birthdays yet to come. Lillian, in return, promised to share her bag with any of us who wanted to go to camp this summer.

A little later tables and chairs were arranged and soon we were deep in a game of bunco, or rather twenty games. Irene Meyers, lucky girl, won seventeen of them and was the delighted recipient of a string of blue beads. From then on until we went home Irene insisted on telling us every five minutes how much she liked them and how well they would look with her new blue dress. We guess Jo never did hear the end of it. Ethel Steup won a brilliant rooster who will be fine to do her crowing for her (she won't do it herself).

As soon as this was over we were told that there were a number of Easter eggs hidden around the room and as soon as the signal sounded we were to look for them. Dorothy Coles showed up at the end with both hands full and was awarded a box of handkerchiefs. Mrs. Josephine Connett, not having succeeded in finding any, was consoled with a small bunny. She said that she couldn't quite decide which one of us the bunny looked like.

By this time our sides ached from laughing so much at Irene Meyers, but we were destined not to be relieved. Music and songs were in order, Hilda's brother Bob played the traps for us, and there were stunts besides.

Now as for the rest of it, there are several things we might say. We might say, "at a late hour an excellent lunch was served," or we might say, "a delectable repast was enjoyed by all," or still another, "the girls partook of a dainty collation." But we aren't going to. Well, it was excellent and it was delectable, but it wasn't a collation, so what we are going to say is this: Hilda must have known how well we like to eat for what did she do but bring in sandwiches, potato salad, olives, ice cream, cake and coffee, and a second helping of cake—chocolate cake it was. Gee, it was good! This, as it happened, was at a rather late

hour in the evening, and we really didn't leave for quite a while after that. We just hated to break away, you know, fearing Lillian would feel lonesome.

The following are the girls who are glad that Lillian had a birthday: Lillian Steup, Mrs. Steup, Ethel Steup, Miss Josephine Zimmerman, Mrs. Josephine Connett, Dorothy Coles, Mary Coles, Ella Balliet, Theresa Botts, Eva Beckman, Irene Meyers, Frances Hoevel, Dorothy Geiger, Esther Pape, Anna Jennings, LaVera Vail, and the hostess, Hilda Walda. Alma Olson was unable to attend.

Pay Roll Girls Stage Play

Upon the request of the Friday Noon Program Committee, the girls of the Pay Roll Department gave a play on May 1 which was entitled, "The Fatal Necklace." It was a grand success from start to finish. The heroine, Mrs. Katherine Neeb, and her hero, Mr. Carroll Blincoe, of the Apprentice Department, held the sympathy, loyalty and interest of the crowd every second. Rosella Kiep, as the Countess, was so natural that we, upon careful consideration, think she should go into the profession. While the villain and villainess, Mr. George Stinson, of the Buildings and Maintenance Department, and Miss Winifred Smith, acted like they had eaten tacks and were suffering from hatred.

Of course the play could not help being a success, since it was launched under the able direction of Mr. E. J. Kimm, of the Superintendent's Department.

Elex Club

Elex Club will be having a party in May, as usual, but no details have been arranged as yet. It will be announced on the bulletin boards later, so watch for the date.

Here You Are, Girls!

Miss McLane and Miss Scott, industrial secretaries of the Y. W. C. A. wound up their Monday noon programs with a big dance for all G-E girls the evening of April 24. Girls were privileged to bring escorts if they wished. There was dancing in the north end of Building 16-2, and bunco in the south end. If a girl and her escort did not care to dance, they could play bunco, or if they did not care to play bunco they could dance; but if they didn't care to do either, they could come and visit, have a good time, and enjoy the refreshments that were served.

Miss McLane and Miss Scott will probably continue the Monday noon programs out in the park during the summer months.

B. T. A. A.—What Is It?

B. T. A. A. is the Blue Triangle Athletic Association. It was formed last October under the auspices of the Health Education Department of the Y. W. C. A. Its purpose is to promote interest in gymnastics and athletic activities which will stand for health, physical efficiency, good fellowship, sportsmanship and wholesome competition. The Association offers instruction and practice in many phases of athletics, and a point system is in operation granting points for various attainments in different sports.

Points are given for leadership in the B. T. A. A. for class work in gym, for playing on athletic teams, for tennis practice, entering tournaments, winning tournaments, for gymnasium work, for swimming, for diving, for life saving, for hiking, skating, rowing, canoeing, horseshoe pitching and bicycle riding, offering a wide variety of sports, as you can see, so that any one can do at least two or three things to win points. When a girl has received 300 points she is awarded an arm band; 600 points entitle her to letters for her arm band; when she wins 1,000 points she is rewarded with a big white sweater.

Membership is open to any girl or woman in the city who can pass the required physical and medical examination, whether she is in school, works in a business office, is employed by an industrial concern, or just stays at home. Dues are \$1.00 a year. Two annual meetings are held, one in May for election of officers, and one in October for a social get-together meeting.

In the meantime girls are constantly meeting in the various activities which are going on all the time. In the basketball season just completed the B. T. A. A. team played eighteen games without a defeat, winning the Commercial League championship and playing two games each with the "Y" teams at Van Wert, Lima and South Bend, and two games with Tri-State College at Angola. The members of this team were Hilda Walda, captain and forward; Marcella O'Brien, forward; Alma Olson, guard; Celeste Bresnahan, guard; Tressie Singrey, side center; LaVera Vail, center; Miss Laura B. Chandler, coach, and Madge Funk, manager.

There was also volley ball, and gym classes are still being held, to terminate, however, the last of May. A gym demonstration will be held in the near future, and it will be a real education for anyone who attends.

Now members of the B. T. A. A. are taking up tennis and baseball, as well as hiking. There is tennis instruction every Monday from 8 to 9 p. m.; every Thursday from 6 to 7, and every Friday from 7 to 8 and from 8 to 9 p. m. The charge is \$1.50 for six lessons. During the last two weeks in May and

the month of June a singles tournament will be held. The high school girls will have their own tournament, and the winner of that tournament will play the winner of the industrial and business girls' tournament. Later on in the summer a doubles tournament will be held. Better start practicing!

B. T. A. A. indoor baseball practice began April 17 in the Y. W. C. A. gymnasium. They were planning to get outdoors as soon as the weather was suitable. The Industrial Baseball League is scheduled to start May 19 with seven teams in the league. B. T. A. A. will enter a team composed of girls who are not on any of the Industrial teams, affording a chance to play to some of the girls who work in offices or small factories or who do not work at all.

One five-mile and one ten-mile hike have already been held this season. Also a five-mile hike and a horseshoe tournament were combined on April 26. The next hike will be May 17, ten miles. We will be glad to have any of you join us—membership in the B. T. A. A. is not necessary, although of course you will not receive points if you are not a member. The girls bring their own lunches and usually leave the "Y" at 1:15 p. m. Girls who like long hikes will be glad to know that we are planning a hike to Camp Yarnelle at Winona Lake for June 7 and 8. It will be done in two stretches; twenty miles on Saturday afternoon, a camp out over night, and the rest of the distance (about 23 miles) early Sunday morning. We will have all Sunday afternoon at camp and will take the train home Sunday night. You are cordially invited to accompany us if you are an experienced hiker. We say "experienced" because a girl who is not used to hiking fairly long distances probably could not stand a trip of this sort.

On May 21 the gym classes and the B. T. A. A. are having a banquet on the Y. W. C. A. roof garden, if the weather is nice. The supper will be 60c a plate. Election of officers for the Blue Triangle Athletic Association will be held and awards will be given to the girls who have won enough points to deserve them. We shall be glad to have a lot of new members, or prospective members, come to this banquet and get some of our pep.

Meanwhile Miss Chandler (director of health education at the "Y") is always ready and willing to talk with any girls who are interested. Just stop at the "Y" any time to see her. The present officers, too, will be glad to explain anything they can. Just get in touch with LaVera Vail, president, Building 18-3, telephone 5, or Alma Olson, recorder of points, Building 6-1, telephone 365, or Madge Funk, vice-president, of Cleary & Bailey; Maxine Schmieder, secretary, of South Side high school, and Anna Jennings, treasurer, in the office at the Y. W. C. A.

All members are urged to attend the election of new officers at the banquet in May.

B. T. A. A. Members

Theresa Botts, Dorothy Coles, Eva Elsey, Chloey Hamilton, Gertrude Iba, Dorothy Lambole, Margaret Lambole, Frieda Lipp, Mildred Lipp, Lois Miller, Alma Olson, Ruth Riehl, Lillian Steup, Tressie Singrey, Thelma Thompson, LaVera Vail, Hilda Walda, Eva Beckman, Helen Griebel, Ruth Rayhouse, Marie Hoffman, Iona Holzworth, Molly Kaiser, Ethel Masterson, Nondes Miller, Mary and Agnes Ness, Hildegarde Puff, Erma Sommers, Viola Tuttle.

County Fair

Tomorrow night is the big County Fair. They had to change the date to May 3, but we are glad of it, for this gives us a chance to remind you of it once more. We have a few more hints as to what the attractions are to be: A cabaret, side shows, a big show with vaudeville and novelty acts, a baby contest, plenty of eats—lollipops, crispo, hot dogs, pie, etc.—you can trade in your tickets for anything you want. This is tomorrow night, remember, May 3, beginning at 7:30 at the Y. W. C. A. Come on over and join the fun. Remember how, even yet, we occasionally take a trip to some of the nearby towns to visit their fairs, and come home tired but happy?

Camp Yarnelle

Have you been thinking about Camp Yarnelle this year? It is time to begin thinking about it for registrations always have to be in ahead of the time you will actually want to spend up there. How would you like to go for Federation week-end on June 7 and 8, just before camp opens? The first thirty girls who sign up are the ones who will be lucky enough to be accepted. You are required to pay 50c at the time you register, the remainder of \$1.00 to be paid at camp; also you should bring your own towels and sheets. Train fare last summer at the special summer rate was \$2.20 a round trip. It will probably be about the same this year. The early part of June is a wonderful time to get out close to nature. About that time you will be feeling the effects of spring fever and will appreciate a quiet week-end out in the woods some place, Camp especially.

Marriages

Highlands-Peoples

Mrs. Frieda Highlands, formerly Miss Peoples, is back with her old pals again after Dan Cupid finished tying the knot.

Marie Stanley Will Plunge

It may be May, it may be June, but there will be a wedding soon. Ask Marie Stanley.

Place-Gunn

Congratulations are in order in Mr. Bireley's department for Miss Helen Gunn, who was married to Mr. Willard Place, April 12. We all wish them the best of luck and happiness on the sea of matrimony.

Hughes-Felger

Miss Minnie Felger and Mr. Clarence Hughes slipped away Saturday, April 19, and were quietly married. Both the bride and groom work in Building 10-3.

They expect to live in a two-room suite until they are ready to move into their own home.

Clifford-Gehr

The following girls of Mr. Dolan's

department, Building 19-4, gave a very delicious dinner for Miss Mable Gehr on April 20: Mary Tousley, Ora Reidenbach, Emmaretta Adamson, Francis Scherschel, Alice Sorg, Freida Bergman, Cecile Baker, Katy Kranz Haxton, Martha Schrader, Gertrude Heckman, Nina Cleverly, Bernice Walker, Henrietta Klenke, Daisy Ford and Winona Lahmon.

Mabel was very much surprised when she came in and found her place decorated with a big arch, the color scheme of which was pink and white. Also pink and white favors filled with candy were found at each girl's place with their fortunes hidden in the candy.

She received a beautiful silver casserole from the department together with best wishes for a long and happy life. Do you know why? Because Mabel was married some time during

the week of the 21st to Mr. A. Clifford. Mr. and Mrs. Clifford are going to live on a poultry farm. So if anyone likes chicken—well, you know Mabel, don't you?

Correction

Miss Irene Meyers wants people to know she isn't naturally like Arabella, the village newspaper, in "Dust of the Earth." This correction was brought about by her objection to the statement in last month's Works News which stated that she "ably acted the part of Miss Arabella, the village newspaper."

Notice

If you don't know how to make strings of beads round, ask Miss Kinna. She'll show you how.

**GIRLS' BASKETBALL TEAM**

Champions of the Y. W. C. A. Industrial Basketball League.

Standing, left to right: Iona Holzworth, Alma Olson, LaVera Vail, Helen Bleke, Ed. Kammeyer, Coach. Sitting, left to right: Tressie Singrey, Connie Stoll, Hilda Walda, Lillian Stoll.

Miscellaneous Notes

Our bell transformer inspector, Eulalia Schnoelie, is absent on account of illness, but we hope to see her back with us soon.

Mrs. Clarence Kennedy and her husband, of Pittsburgh, visited the Fort Wayne Works, April 18. Mrs. Kennedy stayed in Fort Wayne until Sunday, April 20, when she left to visit her family in Michigan. Mr. Kennedy left Fort Wayne, April 19. Mrs. Kennedy was formerly Miss Hazel Burch, of the Testing Laboratory.

A few of the newcomers in the Transformer Department are: Oval Schnieder, Ida Buhrow, Mary Monroe, Gladys Nycum, Madelene Rhoton, Annie Walters and Florence O'Keefe.

ATHLETICS

G-E A. A

City Industrial Semi-Pro Baseball

Several meetings of a group of men interested in the formation of an industrial baseball league has resulted in an organization to promote such a league. Six industries, including the Pennsylvania, Wayne Tank, Tokheim, Wayne Knitting Mills, General Electric and International Harvester Company have definitely signified their intentions of entering a team, while seven other industries are attempting to organize teams. This is the International Harvester's first participation in industrial contests, but it is their

intention to take an active part in the future. The rules and regulations as drawn up are similar to the ones in force prior to the adoption of the amateur ruling. At least one game per week will be played on diamonds owned by the industries. The General Electric Company is now putting the several diamonds on Taylor street in playing condition, and it is probable that games will be played there. George Lenz, popularly known as "Guvvy," an old-timer in G-E baseball, is now in charge of the affairs of the team, but it is probable that a manager will be appointed later and "Guvvy" will act as coach of the team. With most of last year's team still here and several new men to pick from, the green and white should be well represented again this year. According to present plans no admission will be charged for these games. The league will probably get under way about May 10.



G. E. A. A. BASKETBALL TEAM

Standing, left to right: Lindemuth, Hueber and Bruce Hamilton. Sitting, left to right: Dee Hamilton (coach), Ritzenhouse, Schlup and Adams.



SECTION 2 BASKETBALL TEAM

Champions of the Intersectional League.

Standing, left to right: Martin, Williams, Bond and Dickie. Sitting left to right: Bowers, Biedenweg, Schurenberg, Blincoc and Kinsell.

Y. M. C. A. Amateur Baseball

The Y. M. C. A. will again foster a baseball league among the industries of the city. Six teams have signified their intention of entering the league. Games will probably be played on the diamonds in the city parks on Saturday afternoons. No admission will be charged. Frank Thompson, of Building 17-4, has been named as manager of the team. While definite arrangements have not been made at this time it is understood the same rules will be adopted as last year, and the league run along the same lines. Bowers, Wayne Tank, Dudlo and General Electric have entered teams, while the Pennsylvania may enter two teams and the International Harvester, Wabash, Wayne Knitting Mills and Western Gas will also have teams.

Junior Industrial Baseball League

The Junior Industrial Baseball League enjoyed such a successful season last year in its initial venture that the league will be organized again this year. Alvin Konow has been appointed manager of the team, and with the material he has to pick from should have a very successful season. The games will probably be played after work, as last year, on the various diamonds of the city.

Girls' Industrial Baseball League

A baseball league will be organized among the girls of the industries of the city again this year fostered by the Y. W. C. A. Seven industries have already signified intentions of entering teams. Games will be played on Monday and Wednesday nights of each week immediately after work, on the

various diamonds of the city. The league is scheduled to get under way on Monday night, May 19. With practically all of last year's team on hand the G. E. A. A. should be well represented this year. Lloyd Garrison has been named as manager of the team. Those industries who have entered teams are Blue Triangle Athletic Association, Dudlo, Lincoln Life, Wayne Knit, Wayne Tank and General Electric.

Meter Department Bowling League

The Meter Department Bowling League completed one of the closest races for championship honors in the history of the league. While the Registers finished slightly in the lead the battle for other positions was close. Three teams finished in a tie for second, third and fourth places, while the Elements finished one game behind for

fifth place. At the beginning of the season the players were divided up into teams of equal averages based on last season's play. The standing of the teams at the close of the second half of the season was as follows:

Team	Won	Lost	Pct.	Ave.
Registers.....	31	14	.689	767
Terminals.....	22	23	.489	757
Covers.....	22	23	.489	753
Bases.....	22	23	.489	751
Elements.....	21	24	.467	752
Magnets.....	17	28	.378	744

Lawrence finished the season with an individual average of 170, tied with Bushing for first honors. Snyder was second with 166, and Voorhees had 165. Rietdorf's 253 was high score for a single game, followed by Greek's 250 and Bushing's and Lawrence's 234 as a tie for third. Rietdorf also had high score for three games with a total of 626 pins. Snyder's 602 was second and Lawrence's 593 was third. The Registers' 945 was high team score for a single game, while the Terminal's 2,550 was high for three games.

Notes

"Dee" Hamilton suffered a severe injury to the index finger of his right hand that probably will keep him from baseball for a while. The injury occurred on the day "Dee" had received a very acceptable offer to play at Warsaw with Al Girrard.

With most of last year's team as a nucleus the G-E girls should build up a team that will win more laurels for the green and white. Miss Walda will again do the twirling for the G-E.

It is to be hoped that the Y. M. C. A. will not have a divided schedule in baseball this year as in basketball. Last year's basketball season proved conclusively that this is not the way to draft a schedule.

While it is a little early to say much about an Intersectional Twilight League, assurances have been given that one will be formed again this year. This league was very successful last year and should have added interest this year.

Some of the stars of the old shop league are now in the big league, others have retired from baseball, while some are still taking an active part. These last will no doubt welcome the organization of a league similar in principle to the one of days gone by.

It would be less embarrassing and less expensive to lose a receipt for a Bond than to lose the bond itself. Some G-E Employees have lost their bonds. If you wish our Works Cashier will place your G-E Employees Securities Corporation Bonds in a safety deposit vault for you and give you a receipt.

ILLINOIS POWER AND LIGHT CORPORATION SERVES 350 COMMUNITIES IN SEVEN CENTRAL STATES WITH ELECTRICITY, GAS, ICE AND RAILWAY SYSTEMS

In Two Weeks' Time 61 Percent of Employees Bought Stock of Company

(This is the seventh of a series of articles dealing with public utilities—customers of the General Electric Company—in which the G. E. Employees Securities Corporation has invested part of the savings of those G-E employees who hold its bonds.—Editor.)

In June, 1923, a score or more of public utility companies operating in more than 300 cities and towns in five of the Central States were merged into a single operating company known as the Illinois Power and Light Corporation. The North American Light and Power Company and the Illinois Traction Company were the principals in this merger.

Two months after the consolidation a stock selling campaign was instituted among the employees of the newly formed company. In two weeks' time, 61 per cent of the Illinois Power and Light Corporation employees were part owners of the concern for which they worked. Their holdings had a par value of approximately \$600,000. Thus, those who worked for the Illinois Power and Light expressed their confidence in the future of this corporation.

That the investing public shared this confidence is evidenced by the fact that more than \$2,000,000 par value of 7 per cent cumulative preferred stock of the corporation has been sold and many hundreds of new shareholders have been added to the stockholders' lists, and \$45,000,000 worth of bonds have been taken up by investors.

Already the company has taken over additional properties, having recently acquired the Missouri Power and Light Company, the Monmouth Public Service Company, and the common stock of the Kansas City Power and Light Company.

Illinois Power and Light now operates in 350 cities and towns and has property valued at more than \$14,500,000, including electric power stations; the Illinois Traction system—the largest electric trunk line railroad in the world; street railway systems; large gas manufacturing plants, and ice manufacturing concerns. These properties are located in Illinois, Ohio, Missouri, Iowa, Kansas, Nebraska and Oklahoma.

Plans for expanding and improving the company's numerous properties are rapidly being formulated and put into effect. A new steam generating station, with an ultimate capacity of 200,000 h.p., has been started at Des Moines, Iowa. The first section is now under construction. It will consist of two units of 33,500 h. p. each, and will cost \$6,000,000. A 96-mile double cir-

cuit, steel tower transmission line is to be built from Keokuk dam to Galesburg, Ill. This line will carry 66,000 volts, while an extension from Galesburg to Galva, Ill., will carry 33,000 volts.

The trunk line railroad is fully equipped with automatic block signals, repair shops, car barns and freight and passenger cars. It connects Peoria, Springfield, and other cities with St. Louis, entering the latter city over a steel toll bridge owned by the corporation, in fee. This system comprises 556 miles of main line track.

Well-known men of wide experience in public activities of the country head the organization. Senator William B. McKinley is chairman of the board; Clement Studebaker, Jr., is president, and William A. Baehr, consulting engineer and president of the North American Light and Power Company, is vice-president and general manager of the corporation.

INTERESTING FACTS CONCERNING ILLINOIS POWER AND LIGHT CORPORATION

- 181,000 customers served with electricity.
- 256,000 horse power generating capacity.
- 700,000 population in electric business field.
- 68,000 customers served with gas.
- 18,500,000 cubic feet artificial gas daily, generating capacity.
- 235 miles of street railways operated.
- 555 miles of electric railroad trunk line operated.
- 350 communities served by various properties.

KITTY EATS PENNIES

Contrary to the usual customs and habits of cat life, the kitty Messrs. Mart Einseidel, Curley Stroud and E. C. Olds adopted during the War Memorial drive eats pennies. Yes, sir! And in addition to this marked peculiarity, this kitty took a peculiar liking to calling at Mr. Barnes' office to get fed. Of course, it was exceedingly fortunate for these three gentlemen that this opportunity for adoption offered itself at that particular time, because after their kitty had gone around and secured

KEEPING FIT CONTEST

Standing of Major Departments on April 15, 1924.

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus.....	5.39	2.8	48.0
2. Meter Department.....	18.15	11.3	37.7
3. Fractional HP Motor.....	22.25	16.8	24.4
4. Building and Maintenance.....	11.25	9.9	12.0
5. Contributing Departments.....	20.12	26.7	—32.7
6. Transformer.....	11.25	15.5	—37.8
7. Decatur.....	6.81	9.9	—45.3
8. Induction Motor.....	4.78	7.1	—48.5

enough pennies to satisfy its hunger, these gentlemen would simply carry it down to Mrs. Elizabeth Elbersen at the candy stand, who would turn the animal upside-down, take all the pennies, then return the clip dish to these worthy gentlemen, together with the candy they had purchased. If "kitty" hadn't been so clever these hard laboring individuals would never have been able to complete their strenuous work on this drive, and the war memorial would still be a memory simply because there was a shortage of candy.

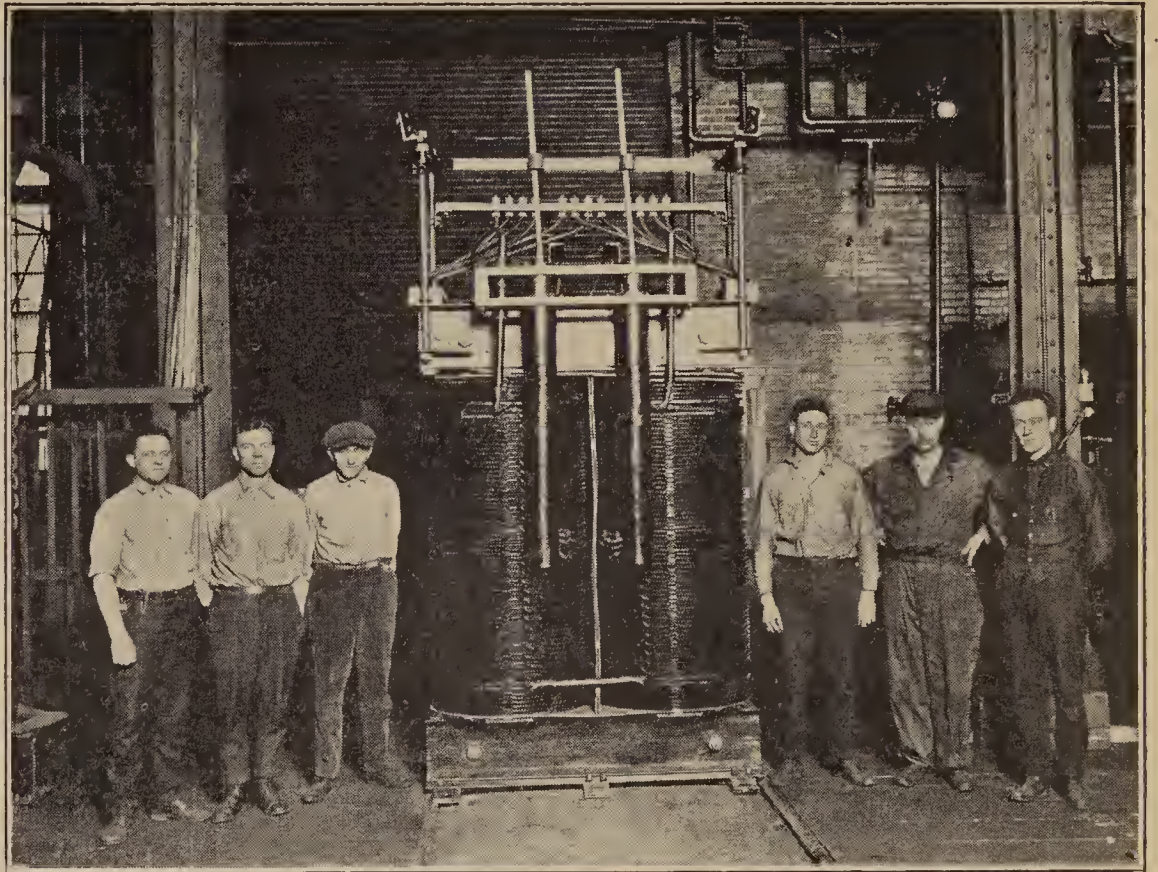
CHARLES A. COFFIN AWARDED HONORARY MEMBERSHIP IN THE FRANKLIN INSTI- TUTE

Not for a great discovery, not for scientific research, but because of his constant and untiring effort in helping scientists to perfect their work, and in making such work available to mankind, Charles A. Coffin, founder and former president of the General Electric Company, was recently awarded a certificate of honorary membership in the Franklin Institute of Philadelphia. One of the foremost scientific societies in the world, the Franklin Institute was organized in 1824 in honor of Benjamin Franklin.

In accepting the award Mr. Coffin said, "This is a signal honor of which I can scarcely feel deserving and I can scarcely express my appreciation."

A brief sketch of the work done by Mr. Coffin was given by Samuel Insull, former president of the National Electric Light Association, outstanding figure in the public service branch of the electrical industry, and early associate of Mr. Coffin. Mr. Insull spoke just prior to the presentation which was made by W. C. L. Elgin, president of the Franklin Institute.

"The development of the electric light and power industry has been influenced to no small degree by the guest of today," Mr. Insull said. "Not alone as a manufacturer and an administrator of a great industrial organiza-



A 2,500 KVA, 66,000 VOLT TRANSFORMER

Largest Ever Built at Fort Wayne Works

The men who built it are: D. N. Slater, wound low voltage coils; V. Sturm, wound high voltage coils; L. R. Harkenrider, stacked core iron; H. Kugler, connected coils; J. V. Dennis, boxed transformer; H. R. Heimlick, tested transformer.

tion are we indebted to him. He was among the first to recognize the desirability of bringing the use of electrical energy to every household and workshop.

Mr. Insull also lauded Mr. Coffin for his untiring efforts in fostering the science of electricity, though not himself a scientist, citing as a signal work for the art the research laboratory at the Schenectady Works, the establishment of which was made possible by Mr. Coffin.

A FISHING PARTY

If anybody wants to know how to catch fish at Rome City just call on

Merritt Simons, Wm. Alter, Ed Lophshire or C. A. Bireley, the champion fishermen of Building 19-4.

These gentlemen, faithful exponents of and believers in the almanac, went to Rome City a short time ago and fished all day long in spite of the rather sharp spirit of the air. Their catch? Oh, they didn't go to catch fish. They wouldn't have taken one had it jumped up out of the water and offered itself. The sharpness of the air didn't really mean anything at all to them. But now when the next "sign" comes along, they will know just where to find those fish, just how to approach them, and just how to feed them.



Generations of travelers in Europe have seen women washing clothes, like the woman in this illustration, on the banks of rivers.

Shall the river work— or shall you?



Back of every great step in woman's progress from a drudge to a free citizen has been some labor-saving invention. Back of most inventions in electricity's progress from a mystery to a utility has been the research of General Electric Company scientists and engineers.

Too many women, abroad, are still washing clothes like this.

They go to the river. Our American rivers are being trained to come to *us*. Water-wheels drive electric generators—thus water is supplied to your home, and electric current runs the washing machine which has banished so much toil.

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines

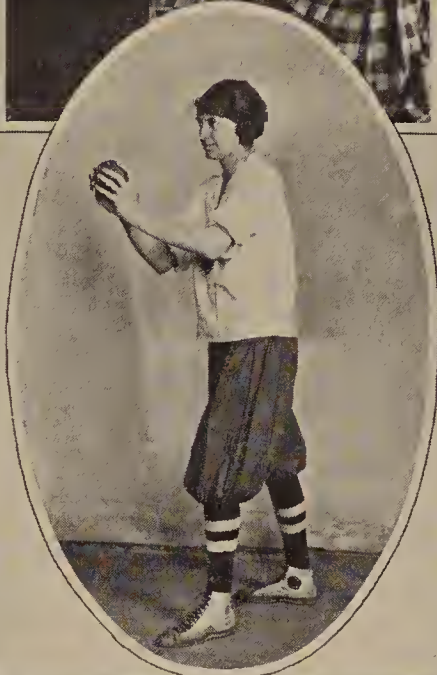
FORT WAYNE NEWS WORKS NEWS



Vol. 8

June, 1924.

No. 6



The G. E. Athletic Girl

Athletic recreation has found a definite place in modern industrial life. Experts agree that proper athletic recreation is necessary for the proper functioning of the human organism. Officials of the industries realize that this proper functioning results in better work; hence the encouragement being given athletics among the workers in our industrial plants.

Girls as a rule do not bring to their work the reserve of physical strength and nervous energy that men do. The interest which the girls of this plant have shown in the various recreational activities is particularly gratifying.

On our cover this month we have pictures of six girls who have made a name for themselves in various athletic sports.

Miss Grace Phillips, a stenographer in the Apparatus Production Department, is one of our leading tennis enthusiasts. She has taken a prominent part in our tennis tournaments for several years.

Miss LaVera Vail is secretary to Mr. H. A. Hartman, Executive Assistant. She keeps many charts and does considerable work on the slide rule. In basketball and baseball she vies with Miss Walda for honors. She made her baseball reputation two years ago when she was named for center fielder in the girls' all star city baseball team. In basketball she is the best center we have.

Miss Alma Olson is a comptometer operator and clerk in the office of the warehouse superintendent. During her spare time she plays baseball, excelling in knocking home runs. In basketball she is one of the best guards in the league.

Miss Luella Kayser does clerical work in the Fractional Horsepower Motor Department. Her long suit in sports is bowling. In the national tournament this year she rolled 510 in the singles and totaled 1498 for all events. She averages 153 for the season, with a high score of 245.

Miss Martha Scherzinger is forelady of the stator and field winding section of our Fractional Horsepower Motor Department. The G-E girls several years ago organized a ladies' auxiliary of the Fort Wayne Rifle Club, which Miss Scherzinger joined. The last tournament the girls entered they came out just twenty points below the highest. Considering that the girls were competing with men one can realize what a record the girls made. Miss Scherzinger's highest score is 193 out of a possible 200 points.

Miss Hilda Walda tests armatures in the Fractional Horsepower Motor Department. In athletics she is possibly best known for her skill in basketball, scoring most of the points for the G-E team. Incidentally, two years ago she was named without opposition for the pitching position on a girls' all star city baseball team.

FUSED QUARTZ

**IMPORTANT DEVELOPMENT FROM
THOMSON LABORATORY,
LYNN WORKS**

**Conveys Light Rays as a Hose Con-
veys Water**

After years of research outside the field of actual electricity scientists in the employ of the General Electric Company have succeeded in fusing quartz.

Professor Albert Einstein, when informed of this fact, characterized it as "a very important discovery."

The general public's interest in the fact that fused quartz makes light turn corners and has other properties of a startling nature will soon pass and in its place will come a realization that this substance is of great importance to the medical and scientific world.

Like ordinary window glass in appearance, yet far more transparent than any glass ever made, fused quartz is an excellent transmitter of heat and ultra-violet rays, as well as light. It expands and contracts very slightly under extreme temperature changes. A piece of fused quartz one-half inch in diameter and a yard in length increases only one-fiftieth of an inch when heated from a temperature of 20 degrees centigrade to 1,000 degrees centigrade. Platinum, thought of as having one of the lowest expansion ratios, expanded sixteen times as much as fused quartz.

Elasticity and transparency are two outstanding qualities of this substance. It may be twisted out of shape any number of times and will return to its former state without the slightest sign of "set." It is so transparent that a rod of it twenty-five to thirty feet long will pass the light of a match from one end to the other with a loss of illumination so small as to be negligible. Even if the rod is not straight the light will be confined to its interior and will be transmitted throughout its length emerging at the other end with undiminished brilliancy.

Because it transmits ultra-violet rays in this way it is believed that fused quartz will be of great aid in treating diseases of throat, ear and nose which could not be reached formerly by these rays. The quartz may be bent in any desired shape and will transmit the rays to the seat of the disease.

Since it neither expands nor contracts appreciably when subjected to



MEN RESPONSIBLE FOR FUSED QUARTZ

L. B. Miller, P. K. Devers, Wallace Wright, Edward R. Berry
The objects in the foreground are of fused quartz

extreme heat or cold it may be valuable for astronomical as well as other mirrors or optical apparatus which should be free from distortion during changes of temperature. This same property would make fused quartz ideal for tuning forks. Forks of this substance will not change in pitch but can be adjusted to a desired tone with the greatest ease.

Twenty years ago Professor Elihu Thomson foresaw the possibilities of quartz and he has spent much time in studying it in subsequent years. It was under his direction that Edward R. Berry, assistant director of the Thomson Laboratory, at the Lynn Works, invented a process of making clear fused quartz. Mr. Berry has spent ten years on this development and though still a laboratory process, he feels that the way is clear to begin the manufacture of fused quartz. And so a great electrical company has spent

years in the development of a material which is not essentially an electrical product, but will be of lasting importance to the world. Were it not that large industries conducted research of this type—they being equipped to carry such work on—the world's progress would be slowed up and humanity as a whole would be the loser.

NEW CLUB OF WORKS YOUNG PEOPLE IS ORGANIZED

Alpha Phi Selected as Name.

On Monday evening, May 19, a crowd of about a hundred young folks gathered for a supper in Building 16-2 immediately after work and organized what will be known in the future as the Alpha Phi Club. Through the efforts of Miss Kinna, a temporary committee

was appointed to get the crowd together. The supper was served at 6 o'clock, followed by a short business session at which the following officers were named to lead the club until November, when new executives will be elected: Ray Kierspe, president; Hulda Burg, vice-president; Carrol Blincoe, secretary-treasurer, and Alma Olson assistant secretary-treasurer. The entertainment committee of which Edna Sarazen is chairman, has the following personnel: Edna Welch, Ed Kammeyer and Karl Geller. The purpose of this organization is to promote social good times and wholesome recreation among the young folks in the Works. It is the only club of its kind for a young mixed crowd.

After the meeting many different kinds of entertainment were offered the crowd, among which the most popular were cards and dancing to the strains of Paul Spiegel's orchestra. Musical chairs, wink, bunco, etc., were some of the other games played. The party broke up at a conventional hour after everyone agreed he had had a good time and was anxious to know when the next event would take place.

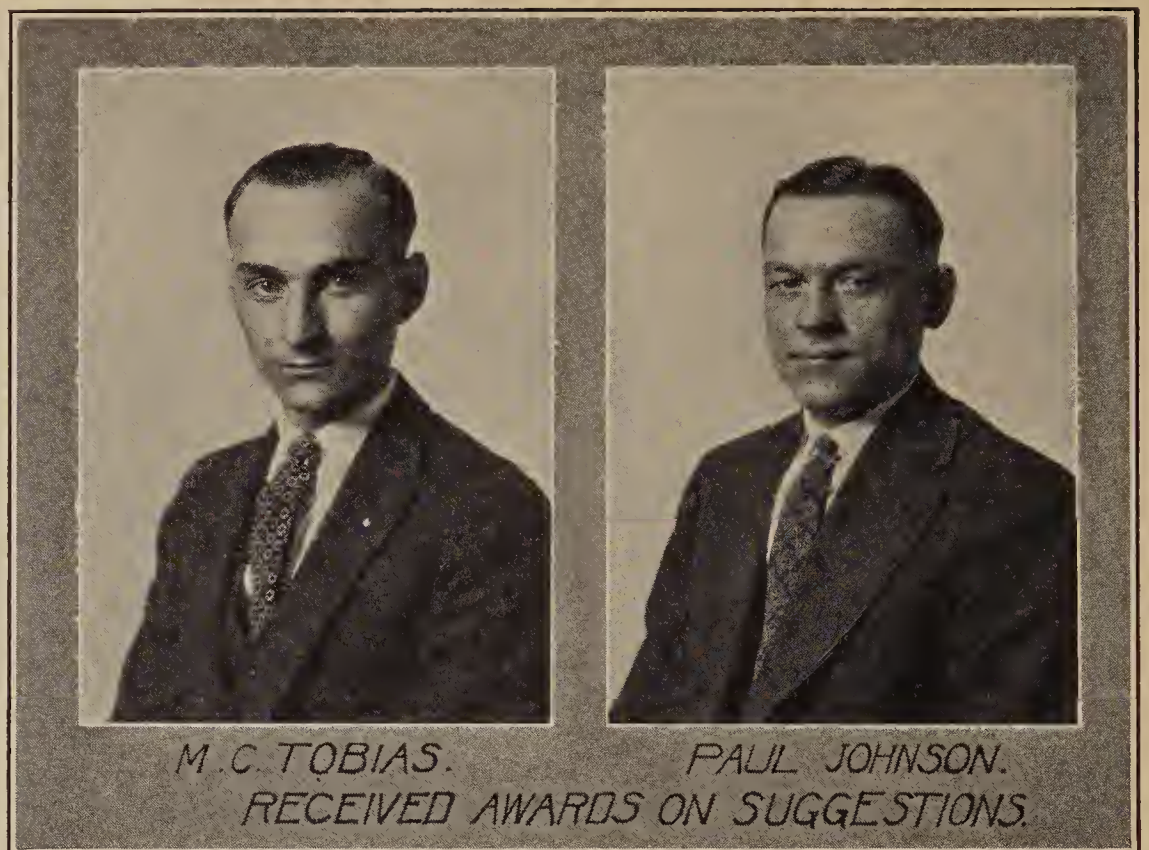
At an executive committee meeting in Building 16-2 Monday evening, May 26, it was decided that the next social event would take place Wednesday evening, June 11, at the plant. A feature of the evening will be a box social, which will be followed by bunco games, a short business meeting and dancing. Several dances are also being arranged for the evening by Miss Ruth Rayhouser and Miss Edna Welch.

A committee is also arranging the constitution and by-laws, which will be submitted for a vote of the members at the meeting in June.

Such regular social functions as outings, hikes, lake trips, wiener bakes and other outdoor events will be sponsored by the club during the summer season, while entertainment programs, lectures, dance and card parties, plays and other activities are planned for the winter months.

There are now eighty-seven members of the club, and many more people are expected to join before the next meeting. All who join on or before the next meeting will be considered as the charter members of the club. After the next meeting no more will be admitted as members until November, at which time an initiation fee in addition to the regular dues will be charged. Also an applicant for membership must be recommended by four members before the application will be considered by the club.

Judging from the interest shown at the first meeting and the eagerness among the young folks to gather again and become better acquainted, the committee feels confident that the Alpha Phi will soon be one of the most popular clubs among the G. E. organizations.



AWARDS ON SUGGESTIONS

**Paul Johnson Receives \$75 Award—
M. T. Tobias Awarded \$25.**

The Committee on Suggestions announces the following awards made on suggestions up to May 27.

Paul Johnson, an award of \$75.00 on a suggestion to eliminate one grinding operation on the meter magnets. Mr. Johnson, who is an employee in the Meter Magnet Department in Building 19-4, conceived the idea that by eliminating an operation of grinding a 1-16-inch face on the ends of the magnets and doing this work in succeeding operations considerable time and labor would be saved. The value of his idea was quickly seen and it was put into effect without delay. This suggestion is one of the type that the committee is particularly anxious to receive as it makes a definite tangible saving on the cost of our product. Mr. Johnson is congratulated for his interest in his work and his ability to visualize this improvement in our methods.

M. T. Tobias, an award of \$25.00 on a suggestion regarding a different method of making the shafts for the shaded pole motor used on the time element relays. His idea eliminated the necessity of turning the shaft on a bench lathe as all the finishing could be done on a grinder under his method. This is another one of the class of suggestions the committee is striving to obtain. Mr. Tobias is an employee in the S. D. A. Armature Winding Department located in Building 17-4.

Herbert J. Allen, an award of

\$10.00 on a suggestion concerning the drawings for the "B" line apparatus field pole insulation. Mr. Allen, who is an employee in the Apparatus Stock Department, Building 2-2, discovered that these drawings were not tied up with the manufacturing instructions in such a manner as to be readily accessible and his idea was to indicate them on these instructions so the drawings could be easily found.

Bernard Byanskie, an award of \$5.00 on a suggestion to install a guard for the belts on two drill presses located in the Tool Making Department, Building 26-5. Mr. Byanskie, who is an employee in that department, noticed that these belts were not guarded.

Carl S. Campbell, an award of \$5.00 on a suggestion to install a guard over the worm wheel on the new automatic winding machine located in the Meter Winding Department, Building 19-5. Mr. Campbell, who is an employee in that department, called attention to the fact that this wheel was a hazard which should be guarded.

Fred Sarasien, an award of \$5.00 on a suggestion to lower the guard strips on the bottom conveyor of the meter assembly conveyor. This scheme eliminated the possibility of meter bases getting caught under the guard and clogging the conveyor. Mr. Sarasien is an employee of the Meter Assembly Department located in Building 19-5.

J. W. Grams, an award of \$5.00 on a suggestion to equip the elevator in Building 8 with a two-way switch so that the motor can be shut off when the elevator is not in use. Mr. Grams is an employee of the Mechanical Maintenance Department located in Building 19-B.

M. L. NORRIS RECEIVES PATENT

Second Patent Granted Mr. Norris.

M. L. Norris, of the Fractional Horsepower Motor Engineering Department, recently has been granted a patent on the new style of automatic short circuiting device now in use on our Type RSA motors. The development of this new device eliminates the use of all pivoted parts and levers usually found in such centrifugally operated devices and in so doing has retained or improved upon the reliability of operation of the short circuiting device, at the same time has simplified the construction and reduced the cost of manufacture. The new device consists of one spring and two plates between which are three centrifugal weights riding upon ball bearings. The grooves or races in which the balls are contained are inclined and radial so that outward movement of the centrifugal weights increases the distance between the two plates. Since one of the two plates is fixed in position on the shaft of the motor, outward movement of the centrifugal weights causes axial movement of the other plate. This axial movement causes a copper disc to short circuit the bars on the motor commutator, when the motor has speeded up to somewhat near the normal operating speed.

This is the second patent taken out by Mr. Norris, his first one being on the development of an automatic device to maintain a variable speed motor at a constant speed under a varying load. This device was used in certain applications of Type SDA Fractional Horsepower Motors.

SIXTY NIGHT SCHOOL STUDENTS RECEIVED DIPLOMAS

Diplomas were presented to sixty G. E. Night School men Tuesday evening, May 22, following a dinner at which they were the guests of the company.

The following menu was served:

Chicken a la King	
Mashed Potatoes	Creamed Peas
Pickles	Olives
Head Lettuce Salad	
Rolls	Butter
Pie	Ice Cream
Coffee	Cigars

Several musical selections were played during dinner by an orchestra made up of men from the plant. Emerson Vester, of the Apprentice Department, played several delightful piano solos.

After the dinner the speaker of the evening, L. C. Ward, Superintendent of City Schools, addressed those assembled on the subject, "Schools for Citizenship."

E. A. Barnes spoke on the subject

"Training, the First Step Toward Promotion."

"Opportunity Knocks More Than Once" was the topic taken by W. J. Hockett to point out that opportunity is always present.

Several talks were given by others present at the request of H. G. Thuesen, instructor in the Night School, who acted as toastmaster.

Diplomas were presented by the instructors to the following men:

Algebra—H. C. Rath, instructor; W. Bartels, R. Ketner, S. O. Hover, G. Moore, J. Pumphrey, J. W. O'Neill

Trigonometry—R. W. Groot, instructor; W. K. Gregg, C. Ertle, R. Saul, S. F. Hauser, R. L. Armstrong, E. C. Brown, J. De Young.

Practical Electricity—L. O. Adams, instructor; O. A. Braun, H. Hitchcock, A. J. Moore, R. Ketner, C. M. Elzey, W. DePew, D. M. Elzey, C. A. Ertle, O. Fitch, J. H. Sweeny, H. J. Simerman, A. E. Miller, E. J. Cade, H. R. Beitel, Chas. C. Holben, E. C. Brown, J. M. Kantzer, L. D. Hopper, W. E. Thomas, J. R. Renner, C. Steele, W. Bowers, J. Lare, E. Scharpenburg, J. Johnson, P. Zimmerman.

Mechanical Drawing—H. G. Thuesen, instructor; Wm. Bartels, C. M. Harshbarger, G. B. Moore, R. LeHew, S. O. Hover, J. De Young, C. H. Johnson, A. H. Weaver, R. Saul, H. D. Grepke, Ross Stroedel, J. Breese, H. Hyndman, F. Fogwell, R. F. Keen, T. M. Roy, J. F. Workman, P. M. Stanly, R. Gibson.

Americanization—Walter Wolf, instructor; Wollie Irmsher, Erich Duhm, Kurt Martine, Ludwig Kling, Fredrich Hofacer, Anna Stiegman, Paul Martine, John Schuchardt, Otto Bachman, William Rohe.

NOTICE, VACATIONISTS

While enjoying your vacation you will possibly send the usual number of postal cards, etc., to your friends here at the plant. To eliminate unnecessary work for the payroll and this department, do not fail to address mail for your friends in care of their respective foremen or departments.

DISTRIBUTION DEPARTMENT.

WHEREIN WE, TOO, TAKE PRIDE

It is quite natural that the bulk of the publicity regarding the work of the experts who have been investigating Germany's capacity to make reparations payments and devising means to make such payments possible should go to General Charles G. Dawes, chairman of the committee. This fact casts no reflection on Owen D. Young and Henry M. Robinson, the other members of the

committee, who share with General Dawes the honor of having drafted the recommendations which, it is hoped, will go far to settle many of the gigantic problems which face Europe. None is more ready to commend the work these men have done than the General himself.

The following article, reprinted from the April 26 issue of the Electrical World, brings out clearly the fact that the electrical industry has a perfect right to be proud of the accomplishment of Owen D. Young, chairman of the board of the General Electric Company, who played so important a role in the framing of the "Dawes Report."

"The report of the committee on experts which has been investigating Germany's capacity to make reparations payments and devising measures to render such payments possible has been universally commended," the article says. "It is no easy task for any committee, and particularly for one limited in its scope as the Dawes committee was, to work out a plan which would be acceptable to the Allies and Germany alike. But Dawes and Young are equal to the job and as practical business men succeeded in doing what was seemingly impossible.

"What the final acceptance of the report will mean to war-torn Europe and the rest of the world is obvious. Already Germany is imbued with fresh hope and the dawn of a new era has risen over Europe. Both the merit and the acceptability of the report have thus been made manifest. Men who have been groping about have now been shown the way. It is futile to imagine that conditions in Europe can long continue as they are or that America can become entirely normal unless the question of reparations is settled amicably and satisfactorily. It is in vain, also, to look for anything but declining markets at home and abroad while Europe remains dejected and discordant. It needed a trustworthy and unbiased investigation to establish the truth and then plain, unequivocal words to express it.

"Needless to say, the electrical industry takes unconcealed satisfaction in the contribution which one of its outstanding men, Owen D. Young, has thus made to the world and incidentally to the electrical industry itself. Less inclined to the limelight but no less fitted for the task than the picturesque General Dawes, one can be certain that to the calm and judicial mind of O. D. Young is due much of the persuasive effectiveness and sound reasoning of the report. As Americans we are proud to have public-spirited men able and willing to engage in a work of such magnitude and vital importance, and as an industry we are especially honored by the great part O. D. Young has played in it."

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Wade Reed.....(G-E A. A.) Athletics
Dorothy Hormel.....Girls' Department
Verena Miller.....Decatur Works

REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
LaVera Vail.....Elex Club
Carrol Blincoe.....Apprentice Association
Russell Haruff.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. E. Hall.....Quarter Century Club
K. Szink.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
J. C. Porter.....G-E Squares
Josephine Zimmerman.....Absent Employees

Vol. 8 June, 1924 No. 6

"It is a matter of duty."

This is the only remark that Gilbert D. Eaton, machinist of the River Works, West Lynn, had to make after submitting to a blood transfusion to save the life of twelve-year-old Mary Porter, sister-in-law of a fellow worker. This was the third time in a few months that Mr. Eaton had given blood to save the lives of others.

A big man, standing five feet nine inches and weighing 205 pounds, Mr. Eaton was formerly a life saver at one of the local bathing beaches. In that capacity he often placed his life in jeopardy to rescue drowning persons. That was, of course, in the line of duty, and Mr. Eaton still sees nothing heroic in it or anything unusual in the fact that he should be so ready to give blood to save the lives of others.

Mr. Eaton was first employed by the company in 1911.

G-E SERVICE

A Story of the Men Out in the Field.

Cumberland, Md., the second largest city in the state, being in a valley in the upper reaches of the Allegheny Mountains, not far from the headwaters of the Potomac river, was in total darkness. Through its streets rushed the swollen waters of the Potomac. The lobby of the Fort Cumberland Hotel was buried under four feet of water and muck. The flood had risen ten feet around some of the city's smaller homes. Part of the Western Maryland Railroad's bridge across the river had been swept away despite an attempt to anchor it with a loaded

freight train. Eleven feet of water in the power house of the Potomac Edison Power Company had submerged all the plant's equipment with the exception of the turbo-generators.

Norris Cox, engineer at the General Electric Company's office in Baltimore, realized immediately that the power company needed help. Fortunately telephone communication was not cut off. Mr. Norris offered aid by long distance phone, and his offer was accepted at once. With a service crew from Philadelphia he started for Cumberland.

The party reached Martinsburg, W. Va., to find that train service to Cumberland had been discontinued and that it was impossible to reach the city by automobile. He retraced his route to Hagerstown, Md., and was again blocked by the flood. Over night, however, the water receded sufficiently to make the trip to the distressed city possible, and the party reached there Monday morning.

The power plant had been shut down since 2 p. m., Saturday, and had been under eleven feet of water for a full day. Condensers, condenser pumps, auxiliary equipment, arresters, switchboards controlling auxiliary equipment, fire room and boiler equipment had lain under eleven feet of water. All were thoroughly soaked and covered with mud and oil murk.

During the day the water receded sufficiently for work to begin and Mr. Cox and the men with him donned hip boots and went to work. The plant equipment was washed down with a hose to remove the dirt. The G-E men then began to disassemble the electrical equipment, while the power company's plant engineers took charge of the task of getting the boiler and fire rooms and the coal handling equipment in operation. The electrical equipment was again washed down with a hose, then given a thorough gasoline bath and then further cleaned with compressed air.

All parts were taken by automobile truck to the large steam drying ovens of a local tire company where they were thoroughly dried. When the last parts were delivered to the ovens the first parts started back to the power house—and no time was lost. All mechanical parts had to be disassembled and thoroughly cleaned. The work went on day and night so that the first unit was back in service by Tuesday noon, the day after Mr. Cox and his men reached Cumberland, and the final unit was in service on Friday of the same week. And the work was done without a single failure or breakdown.

Thus G-E service brought a flood-ridden city out of darkness in the shortest time possible, and G-E apparatus proved that super-service is built in it. In addition to Mr. Cox those who worked on this job were G. H. Fennimore, L. P. Barkus, P. C. Brown, Charles Siebert, T. Metz, E. D. Van Sickle and H. J. Hirschenrider.

GROUP LIFE INSURANCE

Deaths Reported for April, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
Charles L. Prince.....	Mar. 20, 1924	Sister
Gustave E. Fleischer.....	Mar. 20, 1924	Children
John L. Steiner.....	Mar. 23, 1924	Wife
Henry Laughpaugh.....	Mar. 27, 1924	Wife
Wm. H. Swett.....	Apr. 3, 1924	Wife
Nills P. Nielson.....	Apr. 7, 1924	Wife
Adella J. Marshall.....	Apr. 6, 1924	Son
Daniel W. Lansing.....	Apr. 15, 1924	Wife
Edward Smith.....	Apr. 18, 1924	Daughter
Fred R. Bloom.....	Apr. 18, 1924	Wife
Frank I. Visscher.....	Apr. 23, 1924	Wife
Lillian A. Wilkie.....	Mar. 25, 1924	Sister
John V. O'Connor.....	Apr. 9, 1924	Mother
<i>River Works</i>		
Joseph Sharks.....	Mar. 26, 1924	Wife
Edward Gilbert.....	Apr. 6, 1924	Wife
Fred W. Chipman.....	Apr. 13, 1924	Wife
Francis N. Brady.....	Feb. 21, 1924	Wife
Thomas McLaren.....	Apr. 10, 1924	Son
Melvin R. Williams.....	Apr. 19, 1924	Wife
<i>Pittsfield</i>		
John Heffron.....	Mar. 29, 1924	Daughter
Thomas T. Cullen.....	Apr. 1, 1924	Wife
Daniel V. Reagan.....	Apr. 5, 1924	Wife
Philip H. Colwell.....	Apr. 11, 1924	Wife
<i>Fort Wayne</i>		
Irene Harkenrider.....	Mar. 5, 1924	Father
<i>Erie</i>		
William Heberle.....	Apr. 19, 1924	Wife
<i>Baltimore</i>		
George A. Adams.....	Apr. 12, 1924	Father
<i>St. Louis</i>		
Sidney L. E. Rose.....	Mar. 17, 1924	Wife
<i>Philadelphia</i>		
George Stutz.....	Mar. 28, 1924	Mother
<i>New York</i>		
Elias Singleton.....	Apr. 23, 1924	Nephew
<i>New Kensington</i>		
Thomas A. Roberts.....	Jan. 28, 1924	Sister
Total—30 deaths.....		\$35,600

PROFESSOR ELIHU THOMSON IN EUROPE

Will Receive Lord Kelvin Medal.

Professor Elihu Thomson, one of the founders of the General Electric Company who is now on a three months' tour of European countries, will receive the Lord Kelvin medal during his stay abroad. The presentation will be made early in June, in London. This award, made through joint action of British and American engineering societies, occurs every three years, and is a mark of honor for distinction in research work in engineering. Professor Thomson is the first American to receive the honor.

ADDRESS OF MR. SAMUEL INSULL BEFORE THE FRANKLIN INSTITUTE INTRODUCING MR. CHARLES A. COFFIN

(In the May issue, page 15, is the story of Mr. Coffin being awarded Honorary Membership in the Franklin Institute. The following address was made on the occasion of the presentation of Mr. Coffin to receive that honor.—Editor.)

It is a peculiar personal privilege for me to have the opportunity to present the gentleman whom the institute proposes to honor.

He was born of sturdy New England stock nearly eighty years ago in the state of Maine. His early business career was spent as a manufacturer in Lynn, Mass. Becoming a director of the Thomson-Houston Electric Company in



PHOTOGRAPH TAKEN ON OCCASION OF AWARDING HONORARY MEMBERSHIP IN FRANKLIN INSTITUTE TO MR. CHARLES A. COFFIN

Seated: Samuel Insull; Charles A. Coffin; W. C. Elgin, Pres. Franklin Institute; Dr. T. W. Richards, Prof. of Chemistry at Harvard and winner of the Noble Prize; Randall Morgan.

Standing: Girard Swope, Pres. General Electric Co.; E. W. Rice, Honorary Chairman of Board of Directors, General Electric Co.; Dr. R. B. Owens, Sec. of Franklin Institute.

1882, he was elected its vice-president in 1884, and as such was the active head of the company until he effected its consolidation with the Edison General Electric Company in 1892. Since then he has been successively president and chairman of the General Electric Company, until his recent resignation from the latter position, and is still active in its affairs.

The development of the electric light and power industry has been influenced to no small extent by the remarkable foresight and leadership of your guest of today. Without any special scientific or technical training, but with an intuition almost uncanny, his recognition of men of great scientific attainment and of purely scientific research and the part they play in industrial development is signally illustrated in the General Research Laboratory at Schenectady, the establishment of which was made possible by him.

Not alone as a manufacturer and as

an administrator of a great industrial organization are we indebted to him. He was amongst the first to recognize the desirability of bringing the use of electric energy to every household and every workshop, and a large portion of his career has been devoted to the development and financing of great electric transportation companies, local electric light and power companies, and the establishment of vast power systems conveying electric energy from hydro-electric plants to distant points where such energy could be made subservient to the use of mankind.

He is a many-sided man. He has the highest conception of the duties of citizenship; he has the keenest appreciation of the arts, of literature and of nature; he has devoted much of his time and money to educational matters; his charities are so catholic in character that his right hand hardly knows what his left hand does; his work during the war in connection with the Red

Cross and as head of the Franco-American War Relief Clearing House would of itself entitle him to distinguished recognition by his fellows. Modest beyond ordinary conception, desirous of giving credit at all times to others and claiming none whatever for himself, with a loveableness of character which endears him to his friends, and having "a vision, courage and constructive ability signally contributing to the upbuilding of electrical and other industries" it affords me the greatest pleasure to introduce the guest whom you propose to honor—Mr. Charles A. Coffin.

Ferdinand Deck of the Cost Department, Building 10-3, has resigned his position. Mr. Deck, who plays in Koehlinger's Orchestra in the evenings, will give saxophone lessons during the day. He has the good wishes of his former co-workers for success in this new undertaking.

INDUSTRIAL FIRE DEPARTMENTS IN CITY TO BE HOSTS DURING BIG CONVENTION JUNE 18-19

Forty Industrial and Volunteer Fire Companies in Association of Northeastern Indiana Which Will Convene Here

Our city will entertain the members of the Northeastern Indiana Industrial and Volunteer Firemen's Association during their nineteenth convention to be held here June 18 and 19. Local Industrial Fire Departments will act as the hosts to the visiting delegates and firemen on that occasion. Our readers who recall the meeting of the Association here in 1910 will know that this convention means a big time in Fort Wayne. If the weather is favorable on the second day of the convention there should be immense crowds out to witness the parade and the contests held later in Swinney park. There are forty fire companies now in the Association, and practically all of them will be represented in force on the second day of the convention.

The convention will open with the banquet and annual business meeting of the delegates, to be held at 6 o'clock,

June 18, at the Anthony Hotel. Fred Duryee, of our Works, president of the Association, will preside. The principal speaker is expected to be J. J. Conway, head of the Salvage Corps of the Cincinnati Fire Department. He will speak on the subject of "Fire Prevention." At the close of the banquet the delegates will convene in business session to hear reports of the various committees, consider new business and elect officers for the ensuing year. Besides Mr. Duryee, as president, our local Works Fire Department has one other representative in the offices of the Association this year, G. F. Rogge, foreman of the Detail Department, being the secretary-treasurer of the Association. Messrs. Wm. Grosvenor, of the S. F. Bowser Company, and R. Ossler, of the Wayne Knitting Mills, are local men who hold positions on the executive board, and Messrs.

Wm. Grosvenor, of Bowser's, Wm. Melching, F. G. Duryee and Wm. Wurtle, of our company; Oliver Keesburg, formerly of the Lamp Works; Al Young, of the Packard Piano Company, and Irvin Toy, of Wayne Knitting Mills, are the members of the general committee in charge of the convention here.

During the forenoon of the second day the fire companies and hundreds of visitors from other towns, will arrive. The firemen will go at once to No. 3 Engine House, on West Washington street, the headquarters for the day. At 10 o'clock the visiting firemen will be guests of the local Chamber of Commerce on an automobile sight seeing tour of Fort Wayne. After an hour in which to secure lunch the men will begin to assemble for the big parade scheduled to start promptly at 1 o'clock.

The parade will assemble on West Washington Street under the direction of Robert Gaskill, signal engineer of the City Fire Department, the marshal of the parade. The parade will take the following line of march: From West Washington east to Harrison, south to Brackenridge, east to Calhoun, north to Berry, west to Rockhill, south



G-E VOLUNTEER FIREMEN

1, C. W. Rosencrance; 2, Edward Holmes; 3, George Harkenrider; 4, J. L. Johnson; 5, Frank Martin; 6, Oscar Shady; 7, Joseph Henry; 8, Bruce Hamilton; 9, Elmer Hamilton; 10, Clyde Boyce; 11, Otto Nahrwald; 12, Earl Spiker; 13, Argus Vegalues; 14, Fred Trautman; 15, Charles Strodel; 16, A. Nickerson; 17, Wm. Grover; 18, Robert Murphy; 19, Clarence Hueber; 20, D. Hamilton; 21, Harry Hire; 22, Edward Blust; 23, L. C. Kintz; 24, Lloyd O'Brien; 25, Charles Alter; 26, Otto Kirby; 27, E. J. Stroud; 28, Robert Ormiston; 29, Samuel Shives; 30, Philip Weick; 31, Paul Grimme; 32, Chief Wm. G. Wurtle; 33, James Sivits; 34, Harry Zimmerman; 35, George Doebla; 36, Edward Miller; 37, Harry Barnes. William Altekruze missing from picture.



RUNNING LADDER



ASSISTANT CHIEFS AND CAPTAINS



Wm. F. MELCHING
PRES. G. E. VOL. FIREMEN



F. G. DURJEE
PRES. N.E. U. & U.F.A.



THE CHIEF
G.E. VOL. FIREMEN



G. F. ROGGE
SEC. TREAS. N.E. U. & U.F.A.



HOSE RACE



WATER BATTLE



ON PARADE

to Washington and then west to Swinney Park.

As the parade enters Swinney park the ranks of firemen will divide, permitting all the bands to assemble at the head of the parade and united in one monstrous band under the direction of John L. Verweire, they will lead the parade to the southwest section of Swinney park, where the field contests are to be held.

The firemen's field events never fail to interest and thrill the crowds. First on the program is the hose laying contest. General Electric firemen hold the record in this event, of 30 seconds flat, made at Berne, Indiana, 1916, and repeated at Decatur last year.

The second event is the running ladder contest. In this event Bowers hold the record of 20 second flat, made at Decatur last year.

The third event is the fire truck race. The G-E firemen having no motor equipment have never competed in this event. This will be the first time the fire truck race has ever been staged here in Fort Wayne. The crew of each truck must start its engine, drive 1,000 yards, couple on a length of hose and throw water, doing this against time. The best time for this event, 1 minute 36 seconds, was made by Bluffton, at Decatur, last year.

The final event in the field contests will be the water battle. This contest will unquestionably be the most exciting event of the day. Two ropes ten feet apart are stretched across the field between the opposing teams, the contestants standing twenty feet from these ropes. Each side armed with their fire hose connected to a convenient fire plug or pumping engine, at a given signal, advance toward the ropes, directing the streams of water upon each other. The winning team is the one

which within 5 minutes reaches its rope and drives its opponent away. The contest resolves itself into a matter of cleverness in directing the nozzle and in withstanding the deluge from the opponent's hose. Views from a past contest among the illustrations on page 9 will show that this contest is rather strenuous sport.

It is the rule of the Association that the hosts of the convention shall not enter teams in the various field events. This then means that none of Fort Wayne's industrial teams will engage in the regular contests of the day. However, it is possible that an extra prize may be secured for a contest open to all who may care to enter. In this instance we may expect to see our G-E boys in action.

At 6 o'clock the visiting firemen will be entertained with a barbecue lunch, held in West Swinney park. During this time the crowd may enjoy the special band concert staged by some or possibly all of the various bands. From 7 to 9 o'clock Trier's dance pavilion is reserved for the grand firemen's ball, and this will wind up the program of what is expected to be the greatest convention of its kind ever held in this section of the state.

OUR G-E BAND

The people who were fortunate enough to possess radio receiving sets have enjoyed many musical treats during the past winter season. The larger broadcasting stations maintain excellent musical talent for regular broadcasting work, and they arrange many times for exceptional artists to favor the radio public with their work. The fame of the musical organizations which broadcast naturally travels far.

Perhaps we scarcely realize it but we believe we have, here in our own Fort Wayne Works, a musical organization whose fame would be widespread were it in position to broadcast its musical programs. You will know at once that we refer to our G-E Band.

The people of our Works and of our city during the coming summer may again enjoy the privilege of hearing the weekly noon concerts of our band in McCulloch park. To the radio fans, let us say, here is the privilege of hearing real music without the troublesome static and other interference which too often spoils the otherwise exceptionally good radio programs. Director Verweire now has fifty well trained men in his organization. The various sections of the band are unusually complete and well balanced, so that the band is equipped to play effectively the heavier and more pretentious compositions, as undertaken by the leading professional bands. In this connection consider, if you will, the future programs which we print below.

These programs are rare musical treats and if you enjoy the better things in music, you will do well to arrange for picnic lunches with your family in the park on the days of concerts.

Incidentally our G-E Band will have a prominent place in the parade of the Northeastern Industrial and Volunteer Firemen on the second day of the convention in our city, June 19. Those who witness the parade will have an opportunity to compare our Works Band with numerous other bands in this section of our state. We believe that after such comparison they will have a new appreciation of the work of Director Verweire and his men.



OUR G-E BAND

Band Programs Scheduled for June and July

—June 12, 1924—

March—"Militaire".....Granados
Overture—"Sakuntala".....Goldmark
"Dance of the Bayaderes (from
Feromors)".....Rubenstein
March—"The Naval Reserve".....
.....Sousa

—June 26, 1924—

March—"Con Dykeman".....
.....E. S. Williams
Overture—"Festival".....E. Lassen
Selection from "Don Caesar de
Bazan".....J. Massenet
March—"The Man of the Hour".....
.....Fillmore

—July 3, 1924—

March—"Federal".....Sousa
Sigurd Jorsalfar—"Suite".....Greig
1. Introduction.
2. Intermezzo, Borghild's Dream.
3. Triumphal March.
Moreeana Symphonique from "The
Redemption".....Caesar Franck
Southern Rhapsody.....Lucius Hosmer
March—"G. E.".....J. L. Verweire

—July 10, 1924—

March—"The Volunteers".....Sousa
Peer Gynt "Suite No. II".....Greig
1. Abduction of the Bride.
2. Arabian Dance.
3. Peer Gynt's Dream (Stormy Evening on the Coast).
4. Solvejg's Song.
Selection—"Manon".....Massenet
March—"Sagamore".....Goldman

—July 17, 1924—

March—"Mecca Temple".....Brooks
Suite—"At the Movies".....Sousa
1. The Serenaders.
2. The Crafty Villian and Timid Maid.
3. Balance All and Swing Partners.
Selection—From the Ballet "Prince Ador".....Rubner
March Oriental—"Mizpah".....
.....J. L. Verweire

G-E APPRENTICES

At the May meeting of the G-E Apprentice Association, Rev. James Strachan of the South Wayne Baptist church, discussed the Japanese question as it appears to the residents of the Pacific Coast States. Rev. Strachan is particularly able to discuss this question as he has lived on the Coast and has observed first-hand many undesirable characteristics in the Japanese immigrant. In contrast to the Chinese immigrant, Rev. Strachan stated that the Japanese immigrant comes to this country to stay. His aim is to accumulate a fortune by the plan of underselling the American, and as his standards of living are so far beneath ours he finds it easy to do this. Furthermore, the speaker pointed out that the Japanese in common with the other

orientals, Chinese and Hindus, are not original and are not assimilated in our civilization, therefore we cannot hope to benefit from an immigration of them. Should the immigration of these people be unrestricted, the speaker stated that they would soon migrate from the Coast states toward the east, and that therefore the Japanese question is one in which all sections of the country should be vitally interested.

The apprentices considered it quite a privilege to hear Rev. Strachan discuss this question and appreciated his kindness in addressing them.

ELECTRO-TECHNIC CLUB

The twentieth annual meeting of the Electro Technic Club was held Tuesday, May 13, in the club rooms, Building 16-2, and was attended by about 150 members of the club.

Mr. Miles, the retiring president of the club, presided, and called the meeting to order at 8 p. m., the first business on the program being the election of directors for the coming year. This election was by ballot with the result that the following five men were elected for the coming year: A. C. Hartman, C. H. Baade, Perry Shober, S. C. Newlin, I. H. Freeman.

The regular reports of the secretary, A. C. Hartman, and the treasurer, S. C. Newlin, were then read and approved. This was followed by a short talk by Harry Hilgeman, the president of the Isaac Walton League, inviting all members of the Electro Technic Club to become members of this splendid league of sportsmen.

The meeting was then turned over to C. H. Baade, chairman of the entertainment committee, who presented a program of unusual merit. The first number on the program was the appearance of Mr. Knox of the Redpath Chautauqua Circuit. Mr. Knox and his wife entertained the gathering for about thirty minutes with a line of clever character impersonations interspersed with musical numbers of a very high order.

The next feature on the program was one of greatest interest to the fishermen and huntsmen who are members of the Electro Technic Club, and we believe that most of the members are interested in outdoor sports. Mr. Baade had secured five reels of moving pictures featuring various outdoor sports from turkey hunting to fly fishing for salmon. These pictures lasted over an hour and were the finest pictures of their kind that any of us had ever seen.

Each man present was presented with a free copy of the current issue of the Field and Stream Magazine, from whom the pictures had been secured. The meeting broke up at 10:30, and was voted by all those present as one of the best that they had ever attended.

Directors Elect Officers

The five directors of the Electro Technic Club, who were elected to

office at the general meeting held May 13, held a meeting, May 22, and elected the following officers for the ensuing year.

President—A. C. Hartman.
Vice-President—I. H. Freeman.
Secretary—S. C. Newlin.
Treasurer—C. H. Baade.

It is expected that the club will have a very successful year.

G-E SQUARES

On Wednesday evening, May 14, 1924, the G-E Squares held a "Hard Times" party in Building 16-2, chaperoned by Mr. and Mrs. E. A. Barnes. Full dress was out of place and good clothes were taboo also, the requirements for admission being a disreputable appearance and a smile of anticipatory joy. Yes, the King of England would not have been welcome. Several "hard" specimens of the "Weary Willie" and "Hopeful Harry" type were present in full regalia, but the girls looked unusually charming in spite of the absence of beautiful gowns and the customary accompaniments. Decorations were very plain, in keeping with the "Hard Times" effect, for "Weary Willie" would indeed have been out of harmony with any fancy embellishments.

Squares and guests enjoyed themselves with dancing and cards, but were interrupted early in the evening to imbibe in pop and pretzels. Of course it was agreed that Mr. Volstead had taken away most of the joy in eating pretzels, but in spite of the absence of the old time accompanying friend they were enjoyed. Even Mr. and Mrs. Barnes tipped the bottle and ate pretzels with apparent relish.

The dignity of the party was regained for a time while several vocal numbers were given by Karl Lagerlof, from the University of Upsalla, Sweden, who sang without accompaniment in his native tongue and in the brogue of our Swedish Americans. But S. H. Ruggles, of Ohio State, didn't let the dignity last long as he followed with some popular numbers played and sung in a comic and entertaining manner.

After the short program and more dancing and cards, final refreshments were served a la hand-sandwiches, pickles, great chunks of ginger bread, the kind mother used to make, and cocoa, which "Weary Willie" doesn't usually procure. This informal party was certainly an enjoyable one, for many were heard to express in parting that they really had a "heck of a good time."

APPRENTICE ALUMNI

Dance Held—Initiation and Stag Picnic Scheduled for June.

On the evening of May 22nd the Apprentice Alumni entertained with a dance, the Apprentice boys being

avored with a special invitation to attend the event. The dance was held at the Packard hall, Lorenz orchestra furnishing the music. Everyone present, with the exception of Karl Geller, is supposed to have enjoyed the dance. Karl, it is understood, was quite disappointed in that he was not asked to sing.

On June 4th a business meeting and initiation of new members was held in Building 16-2.

For Saturday and Sunday, June 14-15, a stag picnic is scheduled for Clear Lake. This is expected to be the biggest event in the history of the Association. Over half of the members have already signified their intentions of going, and it is thought that the rest will decide to go as soon as they find out what a big time is being planned. The slogan adopted is "Let's all go."

BENJAMIN FRANKLIN'S EMINENCE AS A PHILANTHROPIST

As an advocate of thrift Franklin's character has been misunderstood by many. His was a generous nature in every sense of that term. Lavish of his time and energy in good works, he used his printing house to gratuitously print and circulate pamphlets inculcating new ideas or to promote benevolent projects. He was a generous and considerate father, husband, brother and friend. He was a master spender as well as a master economizer. In everything he undertook he was a great and wise Liberal—and whatever he undertook he accomplished. There was no penny-wisdom in his head or heart. Let it be also understood that Franklin deliberately gave all his scientific discoveries to the world without the slightest profit from patents (which he might have secured), publications, copyrights or other sources of income then available to inventors and authors. His stove and his lightning rod were quickly marketed by various persons.

—Pictorial Life of Benjamin Franklin.

Personal Notes

F. G. Fleming, foreman of the Insulation Department, and George Waldschmidt, head timekeeper in the Payroll Department, have been granted a three months' leave of absence. Together with their wives they will tour the West, traveling by automobile and camping enroute. The party left Fort Wayne June 1st.

He didn't listen, look nor stop,
Though crossing bells were ringing,
He tried to cross the track on high,
He heard the angels singing.

IT HAS HAPPENED HERE—Several hundred dollars worth of G-E Employees Securities Corporation Bonds have been misplaced or lost. Are yours in a safe place? Again we suggest that you keep them in a safety deposit box or entrust them to our Works Cashier Bldg. 18-2.

F. G. DURYEE, Bond Director.

METER DEPARTMENT PARTY

On Friday, May 16, 350 employees of the Meter Department and their families enjoyed an evening together in Building 16-2. This was the first of a series of social events to be given by the employees of this department under the supervision of Mr. Morgenthaler, the managing engineer.

The following program was given to start the evening off right:

Selections.....Premier Orchestra
Readings.....Melita Jane Wickliffe
Solo.....Carl Lagerlof
Speaking and vocal numbers.....

Erma, Alta and Dorothy McCormich
Fancy Dancing.....

Address Beehler and Helen Shoot
Rube Stunt.....

.....Gladys Wilcos and Helen Shoot

Following this program bunco was played on the first floor of Building 16, and dancing was enjoyed on the next floor, the Premier Orchestra furnishing the music.

The first prize in bunco for the ladies was won by Mrs. Harry Andress, and Harry Snider captured first prize for the gentlemen. In a cake walk prize event Mira Kirkland and Ervin Latz won the cake.

A dainty luncheon concluded the evening's program during which Master R. Griebel, impersonating a fair little maiden, entertained with dancing and singing.

Miss Irene Meyers and Mrs. Fern Burris were in general charge of the arrangements. They were assisted by the following committees:

Refreshments—Florence Case, chairman; Adele Weidfelt and Dorris Holland.

Entertainment — Mina Cleverly, chairman; Chloe Hamilton and Katherine McKerring.

Decorating—Dorothy Geiger, chairman; Marie Erdman, Cleo Orr and Marie Moore.

Publicity—Eva Beckman, chairman, and Ireta Ervin.

FOREMEN'S ASSOCIATION

Superintendent E. A. Barnes Talks to Foremen

The regular monthly meeting of the Foremen's Association held Wednesday, May 28th, was featured by a most interesting talk by General Superintendent E. A. Barnes on the subject, "The Evolution of Machine Tools." Mr. Barnes covered in his remarks the

known history of machine tools from the most primitive times to the present day. He illustrated his talk with lantern slides which portrayed the earliest types of machines and showed the simplest kinds of mechanical contrivances in contrast with the most complicated tools in use at the present time. The numerous machines shown in the slides were described in detail and the dates of their invention showed that only during the past one hundred and fifty years has great progress been made in developing tools of this kind, although for several centuries some machines have been in process of development. Mr. Barnes' talk was of unusual interest and was decidedly instructive throughout.

The address of the evening followed a very pleasant cafeteria supper and a short business session. The remainder of the evening was well taken care of by the entertainment committee by securing the popular Summit City Quartette which gave a most enjoyable half-hour of musical entertainment. Motion pictures concluded the evening's program.

The Safety Valve

When you take a chance the other fellow may have to take the consequences.

If you have never stopped to realize what the possession of all your fingers means to you, try to shave, button your collar or fix your tie with one hand.

Only Safe Drivers Need Apply

Blonde Sweet Young Thing—"Do you allow Archie to kiss you while he is driving?"

Auburn Haired Ditto—"I should say not. If he gives the kiss the attention it deserves, he can't drive safely."

FOR RENT—Large cottage with garage at Crooked Lake, North Side. Call Norman (PETE) Prince, Bldg. 8-2.

Franklin's suggestion regarding our copper coins was never adopted. He proposed that they should bear on one side the proverbs of Solomon, and sayings that would encourage thrift, such for example as the following—"The fear of the Lord is the beginning of wisdom," "Honesty is the best policy," "Plough deep while sluggards sleep," and "Diligence is the Mother of good luck."



Raymond Kierspe



Charles Kensill



Herbert Sullivan



Paul Weitzman

RECENT APPRENTICE GRADUATES

FOUR APPRENTICES GRADUATE

All Take Machinist and Toolmaker Course.

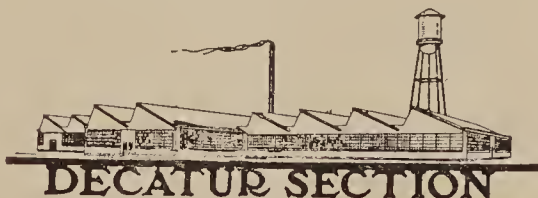
Raymond Kierspe, who is well known from the active part he has taken in amateur theatricals, finished the four-year Machinist and Toolmakers' Apprentice Course, April 21. For good work done in both shop and class room he received a three months' credit on his time. The usual \$100 bonus to those who satisfactorily complete the course, was also given him. Mr. Kierspe is a native Fort Wayne boy. He attended the St. John's Lutheran school, and had one year at the Fort Wayne High school before entering the apprentice work. During his apprenticeship he served one year as president of the Apprentice Association, and was quite active in the club's social activities, proving himself unusually capable along dramatic lines. At present Mr. Kierspe is employed in the Tool and Die Making Department Building 26-5, under Foreman F. Hoffman.

Charles Kensill completed the Machinist and Toolmakers' Course May 19, and was awarded the \$100.00 bonus. Mr. Kensill is also a native Fort Wayne boy, and after attending the public grade schools, had two years at the Fort Wayne high school before taking up the apprentice course here. In the line of athletics Kensill took an active part, having played on basketball, baseball and water polo teams. Mr. Kensill is married and lives at 538 Montgomery street. He is now employed in the Tool and Die Making Department under Foreman F. Hoffman.

Herbert Sullivan might almost be called a native G-E boy. Born in Fort Wayne, he attended the public grade schools before starting work here at the G-E as a messenger boy. Appreciating

the value of training he attended the G-E night school, and later enrolled in the Machinist and Toolmakers' Apprentice Course. Having done creditable work in both classroom and shop, he was given a three months' credit on his four-year course, so that he was awarded his diploma and the \$100.00 bonus on June 2. Mr. Sullivan is now working for Mr. R. Renfrew, foreman of the Tool Repair Department, in Building 4-2.

Paul Weitzman also finished the Machinist and Toolmakers' Apprentice Course on June 2. He received the \$100.00 bonus, also the three months' credit on his time for doing good work in both shop and classroom. Mr. Weitzman is a Fort Wayne boy, attended the public grade schools and the Fort Wayne high school for two years before taking up the apprentice work. He has taken a very active interest in the Apprentice Association activities and in addition has been quite active in young men's club work at the Y. M. C. A., now being president of the Ace of Clubs. On completion of his apprentice course he began work in the Tool and Die Making Department, under Mr. Hoffman, Building 26-5.



DECATUR SECTION

Gave Bunco Party

Miss Verena Miller gave a bunco party at her home for eight girl friends. Prizes were won by the Misses Inez Parrish and Crystal Baltzell.

The house was decorated in lavender and white. Pretty baskets of lilacs and crepe paper adorned the dining room table. At each place was a white candle which flickered all the time the

girls were seated at the table. Little boats served as favors.

Covers were laid for the Misses Inez Parrish, Billy Hendricks, Margaret Meyers, Naomi Debolt, Alice Green, Agnes Huston, Crystal Baltzell and Verena Miller.

Wedding Bells

Miss Zelda Jackson and Mr. "Hes" Cochran were married Saturday, May 10. It came as quite a surprise to all of their friends, who wish to hereby extend their congratulations and best wishes for a happy life.

The news of the wedding spread like wild-fire, and on Monday evening fifteen girls of the G-E Company met in the club room. At 8 o'clock they left for the home of Mrs. Zelda Jackson Cochran. Mrs. Cochran was found quite busy with household duties when the crowd walked in. The surprise was so complete that most of the evening had passed before she became the lively Zelda she was known to be at the G-E.

During the course of the evening the girls brought forth and presented to the bride a fruit bowl and candle holder set. They also produced from somewhere a luncheon which they had prepared beforehand. Oh, it was a jolly crowd, and everyone had a very happy time, indeed.

New Safety Committee at Decatur

A new safety committee composed of the following men has been appointed by Mr. E. W. Lankenau, superintendent, to serve for the remainder of the current year: Bert Gage, chairman; Linn Kern, secretary; Frank Braun, William Heim, John Knott, C. El. Lutz, William Kohls, C. C. Langston, A. Buffenbarger, Cal Wait and Charles Brothers. Mr. Wait and Mr. Brothers represent the M. B. A. sections of the Decatur plant.

This committee will meet once a

month to discuss problems pertaining to safety, and will endeavor to make their plant as free from accidents as possible.

Athletics

The Decatur Plant has organized a baseball team to play teams in northern Indiana. The Athletic Association has purchased a section of land in Ahr's field, where a large grandstand is being built. The team has been outfitted in new uniforms. The season was opened May 25 with a game at Auburn in which the home team was victorious by a 10 to 0 score. Harwood was in the box for Auburn and Shady for Decatur.

Girls Department



Building No. 26-4 Girls Give Bunco Party

The girls in Building 26-4 enjoyed a bunco party April 28, in Building 16-2. The prizes were won by Susie Burham, Mrs. Turnbull, Edith Ungar and Ruth Dixon, who was awarded the baby (a nursing bottle).

At a late hour refreshments were served in the dining room. It was lucky for the crowd that they did not know just how Ruth Preston was dishing out the ice cream or they wouldn't have enjoyed it so much.

Ask Dorothy Rebber if she had enough. We all stopped counting after the tenth dish, and as far as we know she licked the cone.

It was worth a dollar to see the square dance, especially Doris Holland doing her extra dance with it.

There were forty-five present, all of whom entered into the spirit of fun and had an excellent time.

Misses Roselle and Connie Stoll Announce Their Approaching Marriages

The Misses Roselle and Connie Stoll delightfully entertained a number of their friends Wednesday evening at their home on West DeWald street, at which time they announced their approaching marriages, the former to Mr. William J. Nassenstein, son of Mr. and Mrs. W. J. Nassenstein, of John street, and the latter to Mr. Frank T. Grothouse, son of Mr. and Mrs. J. H. Grothouse, of South Hanna street. Progressive bunco was played throughout the evening, prizes being won by the Misses Loretta Grothouse, Clementine Parnin and Helen Stoll. Later the guests were invited into the dining room where a delicious luncheon was served. The decorations were carried out in pink and white and a miniature bride and groom formed the centerpiece on the table. Valley lilies in



"DUST OF THE EARTH" CAST AT CAMP YARNELLE

baskets were the floral appointments and streamers of pink and white reached from the electrolier to the place of each guest which was marked with a dainty place card and Danny Cupid favor bearing the inscription "Roselle and Bill—Connie and Frank, June 25." Covers were laid for the Misses Lucille Parnin, Velma Neeb, Marie Grothouse, Helen Heidenrich, Cele Nassenstein, Clementine Parnin, Loretta Grothouse, Marie Allgeier, Evelyn Jackson, Ruth Heit, Helen and Lillian Stoll, Mrs. C. B. Grothouse, Mrs. L. A. Dider, and the hostesses. The nuptials will be solemnized June 25 at 9 o'clock at St. Peter's Catholic church.

Elex Club

The weiner bake for Elex girls that was given at Lillian Steup's house on the Sandpoint road on May 13 was as big a success as the one last year. When the girls arrived at their destination about 6 o'clock, G-E trucks having taken them out, they found two big fires blazing, all ready for the weiner roast. In a short time they were busy playing ball and games as usual, full of pep, trying hard to work up an appetite.

In order to serve the one hundred girls it was necessary to provide thirty pounds of weiners (only a dozen weiners were left after all was over), six gallons of potato salad, for which it was necessary to cook one bushel of potatoes, and nine gallons of coffee. What a hungry bunch they must have been! The girls all ate so many hot dogs that they barked all the way home.

It should not be necessary to describe the truck ride home. It was accomplished with the usual songs and hilarity. One truck load of girls left early, the others reached Fort Wayne about 8 p. m. Ten even felt so ambitious that they hiked back—a distance of four miles.

It looks as though we will have to make this an annual event for the girls always enjoy it so much.

Elex Club is planning to have a week-end at Camp Yarnelle on July 26 and 27. Camp will accommodate forty girls. If enough Elex girls do not sign up, this invitation is extended to any G-E girl who cares to take advantage of this opportunity to go to camp with her own crowd. Keep this date in mind. Every girl ought to go to camp at least once this summer. Some of us have already been up. It surely is a dandy place. Railroad fare costs about \$2.20, and the camp charges for sleeping quarters and four or five meals are \$1.50.

Elex Play Cast Goes to Camp Yarnelle

The cast of the Elex play, "Dust of the Earth," spent the week-end, May 17 and 18, at Camp Yarnelle.

The Misses McLane, Scott, Ann Jennings and Irene Meyers went up to Camp on the 17th and opened things up, because Camp is not as yet officially opened. The next morning the rest of the crowd went out in two automobiles. One of the machines had two blow-outs on the way and the other had one, but they finally managed to get to their destination. Although the mice seemed to think they were on the reception committee inside the house and proceeded to make things lively, the folks had a very good time. Fred Boedeker put on a fashion show. It was good, to say the least. He brought his full store of man's natural ability for mimicking fashion shows into play.

When he began to run out of a supply of fashions the crowd scattered to take up other entertainment. Some went out on the lake, others played horseshoe, some played tennis, while still others played baseball. Luella Tarmon had an awful time while the baseball game was in progress, because they kept her busy wading into the lake chasing the balls.

And then dinner time came around.

Irene Meyers was butcher-in-chief of the chickens. No one, just to look at her, could very well imagine Irene as a butcher, but that is what she was. And, in fact, she was a pretty good butcher, because after dinner was announced it did not seem to take long before the chickens began to look somewhat scarce. In fact, everything began to look rather scarce. Such a hungry bunch of people you never saw.

When dinner was over everyone had a new supply of pep and started right in using it up again. Eddie Horstman was the general comedian all day long. He really didn't give the other fellows a fair showing because he didn't give them time to get started. It took them quite a while to use up this supply of energy, considering the dinner they had eaten. But it was pretty well used up by supper time. And after supper they managed to get packed up and started back, but that was about all. Everyone was deliciously tired and happy when they finally reached Fort Wayne.

The crowd consisted of the Misses Alma Olson, Irene Meyers, Luella Tarmen and Anna Jennings, and the Messrs. Fred Boedeker, Eddie Horstman, Jerome Moser, Howard Ward and Calvin Langohr. Cecil Lombardo, who was also in the cast of the play, was not able to go along.

Picnic Along Auburn Road

The Elex girls had a picnic ten miles out along the Auburn road at a place known as Lloyd's Mills, Saturday afternoon, May 24. Although about eighty or ninety girls were expected, only twenty-five turned out.

The events of the afternoon ran something like this: A number of the girls played baseball, and others gathered flowers. Helen Weber and Adele Minnich climbed a hill and got some dogwood. But Dot Coles topped the afternoon off. She climbed a tree, and when she had reached the top she couldn't get down again. She finally had to take off her shoes in order to get down because the tree was too slippery to get down with them on.

Talking About Future Events

Here is the best news you ever heard. Theresa, that is "Polly" Boots, has invited the Elex Club out to her house "way out in the country" some time during June. They have the biggest barn in the northern part of the state of Indiana, and we are going to have a perfectly lovely time exploring and playing "hide-and-seek"—maybe—that is, if her family consents. But at least we can have some real barn dances, take a victrola along, you know, and have a grand time in our old clothes. Don't forget, you are not to dress up in anything "foxy" for you will regret it if you do. Further notices will be posted on the bulletin

boards, so be sure to learn what date it will be. All aboard the trucks for Polly's!

Mrs. Betty Overmeyer Luehr Leaves

Mrs. Betty Overmeyer Luehr, who had been employed in Building 4-5, and who had worked for the General Electric Company for the past six years, resigned her position May 2.

Mrs. Luehr had endeared herself to her associates by her kindly, sunshiney disposition, and everyone who knew her was very sorry that she had to leave at this time. To show her how much they would miss her, the girls with whom she was in immediate association, presented her with a gift to remind her of the days when they all worked happily together in Building 4-5.

Miss Cecil Pooler Accepts Position With Brokerage Firm

Miss Cecil Pooler, who until May 23 was employed as stenographer to Mr. J. W. Crise of the Accounting Department, resigned her position on that date to take up work with a brokerage firm.

A number of her girl friends gave a farewell party for her in Building 16-2 Friday evening, April 25. The girls had their party right after work. They went to Building 16-2 and had their dinner. At this time they presented Cecil with a lovely corsage of roses and sweet peas. After the dinner dancing and games were enjoyed.

The girls who attended this party were Hulda Burg, Alice Stahl, Myrtle Derr, Esther Quinn, Dorothy Wagner, Lois Hamman, Agnes Wehrle, Harriet Safer, Louise Borgman, Nora Dress, May Frame, Cecil Pooler and Mrs. Elizabeth Elbersen.

B. T. A. A. Banquet

Fourteen G-E girls, members of the Blue Triangle Athletic Association, attended the B. T. A. A. banquet held in the gymnasium of the Y. W. C. A. on May 21.

They were Theresa Botts, Dorothy Coles, Lois Miller, Lillian Steup and Hilda Walda, of Building 4-5; Tressie Singrey, 6-2, and Alma Olson, 6-1; Iona Holzworth and Gertrude Iba, 17-3; Frieda Lipp and Erma Somers, Payroll Department, 18-2; LaVera Vail, 18-3, and Ruth Riehl, 18-4, and Ruth Rayhouser, 26-4.

The occasion was the annual banquet and election of officers, and as this was the first meeting since the organization of the association last October, the girls in the gym classes were invited to attend. In all over 140 girls were present.

A very pleasant program was put on, starting with greetings by Miss Carrie Snively, chairman of the health education committee; Pauline Wiegand entertained us with a piano solo, very

well played. Then followed toasts by Miss Ida L. Jones, general secretary; Miss Mildred Hadsell, South Side high school coach, and Miss Hilda Schwehn, Central high school coach.

Lucile Lapp, a South Side student, favored us with a violin solo; then Helen Toay Underwood, also a student at South Side, gave a clever reading, accompanied by Dorothy and Eleanor Pierce.

Stunts were next in order. First, the one of the widow crossing the railroad track, by the Central high school girls. Second, one that was short and sweet, "Oh, say, did you hear about Harry?" by the General Electric girls. Third, a radio wedding, by the South Side high school girls. All were well given.

Following the entertainment the meeting was turned over to LaVera Vail, president, for the business session. The minutes were read by Maxine Schmieder. Madge Funk gave a report of membership—there are 193 girls signed up, with 106 paid members. Anna Jennings gave the treasurer's report, while the president summed up all the activities during the last six months, calling upon various members for reports on the different sports. Hilda Walda, as sport head in charge of industrial and commercial basketball, gave a review of the successful season just completed.

Recommendations were presented by Mrs. Bess Thaler and acted upon, and the election of officers was held.

While waiting for election returns Miss Chandler had a few announcements to make: Baseball, the tennis tournament, the hike to Camp Yarnelle, and swimming. Miss Chandler informs us that plans are being made definitely to open the swimming pool the first of July, and classes will start about the middle of July. Hooray! Anyone who wants to may go down at any time and see the progress that is being made.

Alma Olson, recorder of points, then explained the point system in detail and read the names of the girls who have won over 100 points. Three awards of arm bands were made to the girls who had earned 300 points. These girls were Hilda Walda, 302 points; Miss Chandler, 312 points, and LeVera Vail, 373 points.

The next awards which the girls will try hard to earn by the next meeting in October are the letters B T A A for their arm bands, for 600 points. In a year or two they hope to earn the 1,000 points which entitle them to a white sweater.

Returns from the election showed that LaVera Vail, General Electric Company, had been re-elected president; Hildegard Hormel, a senior at Central high school, will be vice-president; Maxine Schmieder, a student at South Side high school, was re-elected secretary; Helen McCrory, S. F. Bowser & Co., was made treasurer; Madge Funk, Cleary & Bailey, will hold the office of recorder of points. The election ran true to form for Industrial,

High School and Commercial girls are all represented.

Miss Chandler concluded the program by awarding four cups: One to Maxine Schmieder, winner of the Singles Tennis Tournament last year; another to Maxine Schmieder and Mary Monroe, winners of the Doubles Tournament; one to the General Electric basketball team as winners of the Industrial Girls' Tournament, and finally, a cup to the B. T. A. A. basketball team as the team which successfully represented the Y. W. C. A. in basketball this year.

The B. T. A. A. is to be congratulated upon the progress it has made in the short six months it has been organized, and it is expected that membership will be increased when the swimming pool is opened.

Pay Roll Play Repeated

Upon special request the cast which staged "The Fatal Necklace" during the noon hour Thursday, May 1, repeated the performance Tuesday noon, May 6.

This little play was very well done, and it certainly afforded the noon hour audience a pleasant diversion in the line of entertainment.

Miscellaneous Notes

DeWight Williams, from the Field Department, was married Sunday, May 18.

Miss Edna Tarmon, from the Field Department, Building 17-4, is back at her work after spending a week with relatives and friends in Milwaukee and Chicago.

Miss Sylvia Johnson left the employ of the company May 10 to be married some time in June.

Mrs. Luetta Girardo left the com-

pany May 17 to stay home and enjoy her new home.

Miss Kathryn Huber, of the Field Department, Building 17-4, is off on a two weeks' vacation.

Miss Alice Stahl, of the Accounting Department, has resigned her position to accept other employment.

Miss Harriet Safer, of the Accounting Department, has resigned her position and has accepted employment in Flint, Mich.

Miss Helen Gnau, of the Payroll Department, has been transferred to Mr. J. W. Crise's office.

Miss Frieda Sturdevant has been employed by the Distribution Department as messenger.

Miss Florence G. Engelman has taken

employment in the Accounting Department.

Miss Ethel Smiley has taken a position in the Payroll Department.

Miss Juanetta Kapp has taken a position in the Order and Stock Department.

June's the Month of Brides

You are planning a shower for "the lucky girl," perhaps, or it may be that a bridesmaids' luncheon is scheduled at your house. In any case, we are showing two tables prettily decorated for June Time Parties.

A garland of pink rambler roses completely surrounds the table shown at the left—and these roses are all made of crepe paper. They are not difficult to make either. Almost every stationery store has a booklet which tells all about making flowers of crepe paper.

The melon shaped basket in the center is also filled with ramblers.

The place cards are little bridesmaids cut from cardboard and dressed in gowns of rose petal confetti.

At each guest's place are appetizing mints in rose baskets. The foundation of each basket is an ordinary ice cup which has been covered with crepe paper cut and ruffled at the top to form petals. The handle of the basket is made of wire wound with a strip of crepe paper. A small paper umbrella is wired to the basket handle.

The light above the table is covered with a soft fringe of pink crepe paper and mingled with the fringe are cardboard hearts hung by ribbons.

The smiling bride and groom stand beneath the wedding arch in the very center of the table shown above. The bride's dress is made of frills of white crepe paper with white maline over it and the veil is of maline. Her bouquet is formed of sweetheart roses, with



maiden hair fern, tied with white ribbon. The groom's coat and trousers are of black crepe paper. Dowel sticks are wrapped with strips of white crepe paper and wired together with spool wire to form the arch. A suitable decoration is a vine formed of lilies and maiden hair fern twined about the arch with a large ribbon bow in the center. Two small white crepe paper bells are suspended from the center. The bells are made by cutting a strip of crepe paper any desired length or width according to size bell you want. The short ends are pasted together and the upper edge gathered and fastened with spool wire. The bell is turned inside out and the lower edge flattened on a smooth surface.

The place cards are tiny bells suspended on hooks made of a wire wound with crepe paper. One end is bent into a hook and the other is bent into a flat spiral. Tiny sweetheart roses may be tied to the base and a name card attached.

Wedding cake boxes at each place are made delightfully festive by adding sweetheart roses tied with white ribbon. Many sprays of the maiden hair fern are used around the centerpiece and on each plate.

Either of the tables pictured can be adapted if it happens the engagement announcement is the feature of the occasion.

Two tiny cardboard hearts tied together at the top with the interesting news written on one can be tied to the bell place cards or the flower bedecked maiden might hold the secret in her hand in place of the plain white name card.

ATHLETICS

G-E A. A.

City Industrial Baseball League

The G. E. team in the City Industrial Baseball League started its season with a win over the Pennsylvania nine. While many of last year's veterans appear on this year's squad, several new faces appear. Elmer Hamilton, one of the new pitchers, did exceptionally well against Pennsy, and but for Distel's triple, would have scored a shutout. Fred Campbell is another new pitcher who will be heard from later. Oscar Shady, a veteran, completes the pitching staff. Clarence Biedenweg, an apprentice, is making a strong bid for a position on the infield. Bruce Hamilton is holding down first base, McKeering is at second, with Fox at short and Henry at third. "Rip" Watt, captain of the team, is in right field. Dee Hamilton in center and John Rockhill in left field. Carl Reynolds is on the receiving end, with Davidson as his assistant.

The league started with six teams,

but the International Harvester felt they could not furnish a team of the caliber of the rest of the league and so withdrew. The five teams remaining are Western Gas, Wayne Tank, Pennsylvania, Tokheim and General Electric.

The opening of the league was scheduled for May 10, but rain prevented a start on this date and the lid was lifted May 17. In the opening games Western Gas defeated Tokheim, 12 to 3; Wayne Tank defeated the International Harvester, 19 to 3, and General Electric defeated Pennsylvania, 7 to 1.

Y. M. C. A. Amateur Baseball League

The G. E. team in the Y. M. C. A. Amateur Baseball League lost its first game to the Pennsylvania team by the score of 9 to 4. The pitching of Greaser for the railroaders was the undoing of the G. E. nine. Rain prevented all but one game on the opening date. The league is composed of five clubs, Bowers, Dudlo, Wayne Tank, Pennsylvania and General Electric. The standing of the league, May 17, was as follows:

	Won	Lost	Pct.
Dudlo	1	0	1.000
Pennsylvania	1	0	1.000
Wayne Tank.....	1	1	.500
General Electric.....	0	1	.000
Bowers	0	1	.000

Girls' Baseball

On account of the uncertain state of the weather during the month of May and the consequent difficulty in arranging times for practice, the opening of the Girls' Industrial Baseball League was postponed until June 2. G. E. girls have been practicing on Monday and Friday nights after work at Swinney park, and expect to have the team in shape by the time the league starts.

Girls who want to play baseball are still urged to come out to practice because it is hoped that the Inter-department tournament—that was held so late last year that only two innings could be played in each game—can be begun in a few weeks and carried through to a finish while the evenings are yet long. Mr. Whitestone's trophy went to Buildings 4 and 6 last year. With over 1,000 girls in this Works, it ought to be possible to have at least six teams. That would make some real competition.

Come on, girls! don't make it so hard to find players. It is awfully hard to create any enthusiasm when only a few girls come out to practice. If you would like to see a team representing your department or your building in this Inter-department league, please send your name and location to Ed Kammeyer, Building 17-3.

Notes

Jack Fox featured the Pennsylvania game in the Semi-Pro League with a running backhand catch of a line drive

which was decidedly of the sensational order. John Rockhill also contributed a fielding feature with a great catch in left field.

Elmer Hamilton, pitching his first game for the G. E., performed well in the box. The weather has been anything but favorable for pitchers up to this time. With warmer weather Elmer should be a hard man to beat.

Dee Hamilton's bad finger is still keeping him out of the lineup. The digit is healing rapidly and he should be in a uniform in a few weeks.

The pitching of Greaser, of the Pennsylvania team in the Y. M. C. A. League spelled defeat for the G. E. nine in its first game. He struck out 18 batters and allowed only 6 hits.

ELECTRIC SERVICE CARRIED TO FARMS

**General Electric's Major Program
Bringing Electricity to 32,000,000
Will Revolutionize Farm Life**

Development of the farm market for electric service and products is now a major program of the General Electric Company. Extending electric service to this almost untouched field—with 6,000,000 farms and 32,000,000 people—will open up a huge new market and revolutionize American agricultural life.

Only one farm in thirteen now uses electricity. Independent electric light plants are used on 300,000 farms, while the number enjoying central station service is 200,000. The greatest progress in the electrification of agriculture has been made in California and Utah. Half of all the farms in Utah, where electrical irrigation has made the desert blossom like the rose, use electricity for light, heat and power. In the territory served by the Utah Light and Power Company nearly every farmer uses electricity. In California the Pacific Gas and Electric and the Southern California Edison Companies give service to 35,000 farms. One-fourth the farms receiving central station service are in these two western states.

Difficulties Causing Delay

Every progressive farmer who does not now have the benefit of electric service looks forward to the time when he, too, by the turn of a switch, will be able to command for his work the energy of distant waterfalls or electric power stations. Practical difficulties have delayed farm electrification. Even where high-voltage transmission lines are carried through agricultural sections, farms are usually so widely separated as to make economical electric service to the farms impractical. To build a step-down transformer substation to serve a single farm costs nearly as much as one to supply a hundred farms. The farmer's problem is to get electric service at a cost low enough to make it profitable for him to use. The utility company's problem is to supply the service at a cost that will enable it to net a fair return on

the invested capital. Agricultural machinery and electrical manufacturers have the problem of designing implements and appliances for use in farm work of low cost and high efficiency.

Tackling Basic Problems

These basic problems of farm electrification are now being aggressively tackled by a joint committee of experts representing the National Electric Light Association (composed of 3,000 electric central stations), American Farm Bureau Federation, Power Farming Association of America, American Society of Agricultural Engineers and the United States Departments of Agriculture, Commerce and the Interior. This committee will make a preliminary report in 1924, and farm electrification will be the major subject of discussion at the annual meeting of the National Electric Light Association in June.

Taking the drudgery out of women's work on the farm is, in the opinion of General Electric engineers, an even greater economic and social necessity than the improvement of the tools used by the farmer himself. The automobile has been a great boon to farm women, but farm electrification will be a greater one. Owen D. Young, chairman of the General Electric Company, believes that his company can perform no greater service than making electric motors that will shoulder the burdens now borne by the women of the farm. He was a farm boy himself, and he knows what farm work means to women.

Benefits to Women

A nation-wide survey by the Department of Agriculture shows that it is the farm wife who is most eager to see electric service extended to the farms. In two out of five farm homes it is the woman who has to go out to well or spring, winter and summer, and fetch the water for cooking, washing and cleaning. Next to the banishment of kerosene lamps, running water in the house is the greatest service electricity can perform for her. Then come electric clothes washers, vacuum cleaners, electric irons, cooking appliances and all the other household conveniences that electricity has given her sister in the towns, not omitting curling irons.

All of these electrical servants are today serving the housewives on the electrified farms of the west, and they are usually purchased by the farmer before he invests in motors for milking, churning, cream separating, ensilage cutting, wood sawing, feed grinding, threshing and other farm work. In the reclaimed arid valleys the most important work done by electricity is pumping water for irrigation, and it is the development of electric power for this purpose that has been the means of bringing electricity into general farm use in the far western states.

Highway Lighting

One important feature of the General Electric farm electrification program which opens up huge possibilities is highway lighting. Research by the

PUBLIC SERVICE CORPORATION OF NEW JERSEY SUPPLIES ELECTRICITY, GAS AND RAILWAY SERVICE FOR FIVE- SIXTHS OF STATE'S POPULATION

More Than One-Half of Employees Are Stockholders in Company

(This is the seventh of a series of articles dealing with public utilities—customers of the General Electric Company—in which the G-E Employees Securities Corporation has invested part of the savings of those G-E Employees who hold its bonds.—Editor.)

INTERESTING FACTS CONCERN- ING PUBLIC SERVICE COR- PORATION OF NEW JERSEY.

5,000 square miles served.
228 cities and towns served.
2,500,000 population served with electricity.
2,400,000 population served by electric railways.
2,300,000 population served with gas.
939,413,040 kilowatt-hours produced in 1922.
17,736,688,662 cubic feet of gas sold in 1922.
14 generating plants operated.
70 substations operated.
975 miles of transmission lines used.

Suppose one were to draw a line across the state of New Jersey, from the Hudson river, opposite New York City, to the Delaware river, opposite Philadelphia. Imagine this line, which traverses an actual distance of approximately 100 miles, to be 50 miles wide. In the 5,000 square miles comprising this territory live nearly five-sixths of the state's population of some 3,250,000 persons.

Here are located Newark, Jersey City, Paterson, Trenton and Camden, all cities of more than 100,000, five others of more than 50,000, ten others of more than 25,000, and so on down the line. It is a progressive, fast growing district.

This is the section of New Jersey which the Public Service Corporation of New Jersey serves. The area is such that it gives "Public Service," as the corporation is known, an opportunity to supply electricity to a popu-

lation of more than 2,500,000, railway service to a population of more than 2,400,000, and gas service to a population of more than 2,300,000. It is this fact which makes "Public Service" one of the largest utility combinations in the world.

Supplying the power used in the operation of Public Service Railway Company, Public Service Electric Company produced in 1922 nearly 1,000,000,000 kilowatt-hours in its fourteen generating plants. This went into both railway and commercial use. The company has four principal generating stations, they being located in Newark, Jersey City, Perth Amboy and Burlington.

So greatly has the demand for power increased that it has been necessary to begin the erection of a \$20,000,000 plant at Kearny, on the Hackensack River, opposite Jersey City. This station has a stated capacity of 207,000 kv-a., and is ultimately to be doubled. In addition to its power stations the company operates seventy substations.

Public Service Gas Company, with 583,842 meters in service last year, sold 17,736,688,662 cubic feet of gas. Twelve years ago it sold less than half as many cubic feet.

Cars owned by Public Service Railway Company operate over nearly 900 miles of trackage, yet only approximately 32 miles of this are strictly interurban lines. The company carries more than 1,000,000 passengers daily.

The electric company has 975 miles of transmission lines, 167 miles of conduits in streets, 195,500 poles, 22,904 miles of wire, and 31,958 transformers. More than one-half of the employees of Public Service companies are stockholders in the Public Service Corporation of New Jersey.

In his annual report for the year ending December 31, 1922, Thomas N. McCarter, president of the Public Service Corporation of New Jersey, pointed out that a very extensive construction program had been outlined. Much of this work was started during 1923, and will be continued this year.

lighting experts at Schenectady has recently developed a highly efficient and economical lighting unit, which has been named the novalux highway light. It consists of a cluster of ingeniously arranged parabolic reflectors, which takes the light of a gas-filled Mazda high-power lamp and throws it along the highway in a narrow ribbon of light. A dozen or fifteen of these along a mile of country road turn it into a white way.

The first installation of the new highway light was made on a stretch of the Albany-Schenectady road, until then one of the most dangerous highways in the state. Overnight it became one of the safest. Automobile drivers found that they could drive with complete safety at thirty miles an hour with headlights dimmed. Installations of novalux lights are now being made on rural and suburban highways in various parts of the country. The most remark-

KEEPING FIT CONTEST

Standing of Major Departments, May 15, 1924.

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus.....	5.39	2.16	.60.00
2. Meter Department.....	18.15	11.83	34.81
3. Fractional HP Motor.....	22.25	18.27	17.88
4. Decatur.....	6.81	7.53	—10.55
5. Building and Maintenance.....	11.25	12.90	—14.66
6. Contributing Departments.....	20.12	24.72	—22.87
7. Induction Motor.....	4.78	6.45	—34.87
8. Transformer.....	11.25	16.14	—43.45

able installation is in the township of Amherst, near Buffalo, where every road is being equipped with the new lights, covering 110 miles of highways.

The rural roads of the United States extend 2,500,000 miles, and 300,000 miles are surfaced, but the only lighting that most of these roads have is the blinding glare of automobile headlights. Four millions farmers now own automobiles and they want the roads lighted. General Electric is prepared to undertake the work.

Radio Demand Exceeds Supply

Coupled with farm light and power, and highway lighting in the General Electric program, is radio for the farm, a market which is growing faster than it can be supplied. It is estimated that 250,000 farms are already equipped with radio sets and that two or three million will be listening in within two or three years.

Radio is invaluable to the farmer. It not only brings to him night after night weather, crop and market reports that mean money in his pocket, but it brings to his whole family lectures, news, music, education and culture never before within his reach. University extension courses will soon be available to the thirty millions on the farms. This alone makes radio a farm necessity of infinite value.

SAFETY HINTS
FROM HISTORY

Ajax Defies the Limited.

Ajax was one of the heroes of Greek mythology. When the Trojan war broke out he left his fruit store in Athens, dressed himself in a tin hat, vest and shin guards, and performed remarkable feats of bravery. He had unusual skill in throwing the spear and also achieved some fame as a Mexican athlete. But in spite of his size, strength and courage, his dome was empty. One day he committed the sacrilege of defying Jupiter's lightning and the shock of several million volts proved too much for him.

The modern Ajax wears store clothes instead of tin armor, and travels in a gas buggy instead of a chariot, but his



AJAX DEFIES THE LIMITED

intelligence hasn't developed noticeably in several thousand years. He doesn't defy the lightning—people would think he was a nut if he did—but he does even more senseless things. One of his favorite outdoor sports, is defying the limited at the railroad crossing. When he hears the whistle of the approaching locomotive it is a challenge to step on the gas. If a crossing bell is ringing he merely thinks that dinner is ready; if the gates are lowered, it adds to the sport.

If he gets across first he slows down to watch the train go past. Time means nothing to him; he always has plenty to waste, except when he is at the steering wheel. Often he wins in his encounter with the train, but sometimes he litters the right of way among accessories and pieces of plate glass. A train traveling at sixty miles an hour crawls eighty-eight feet in one second, and a slight error in guessing distance may transform a driver into an Interstate Commerce Commission statistic.

The 1924 sport model Ajax hasn't changed much from the whiskered giant who tried to be a lightning rod. Defying the limited is just as risky as defying the lightning.

WALTER D'ARCY RYAN
AND STAFF HONORED
BY BRAZIL

The General Electric Company of South America and Walter D'Arcy Ryan, head of the General Electric illuminating engineering laboratory, were each awarded a grand prize for the electrical illumination of the Brazilian Centennial Exposition, held at Rio de Janeiro in 1922. The award carries with it a gold medal bearing the insignia of the exposition.

The grand prize awarded to Mr. Ryan individually is in recognition of his work as director of illumination, particularly the effects he secured with his Novagem jewels.

Mr. Ryan also received a medal as chief collaborator with the General Electric Company of South America, while A. F. Dickerson, chief engineer of the laboratory, J. W. Gosling, decorative designer of the laboratory, and J. W. Shaffer, in charge of construction, received medals as collaborators with Mr. Ryan.

The decision to have the illumination of the exposition undertaken by Mr. Ryan and his staff resulted largely from the elaborate illumination of the Panama-Pacific International Exposition, where Mr. Ryan, as chief of illumination, won three grand prizes and a number of silver medals and bronze and silver plaques.

New Hat Wanted

If anyone has a hat with an extra large crown, please see that Carl Reidorf, cost clerk in Building 19-5, gets it, as his old one is entirely too small. The whole G. E. knows by this time that Carl is the happy father of a seven-pound boy, Don Myrle, who arrived March 19. Here's luck to you, Carl, as you pace the floor nights.

Everything is all right in its place, but some days everything seems to be out of place.

Hitching your wagon to a star is fine, but don't let your little boy hitch his to the ice wagon.



Your Boy



There is energy in Nature to provide for *all* mankind. A large part of the work of the General Electric Company has been in manufacturing the giant electrical machines that harness streams which once were idle but now furnish electricity for power, light and heat.

He will have more leisure than you had. And yet, with the aid of electricity, he will do more than you did.

Radio, the electric locomotive and the electric ship will have shortened his distances. Electric motors will have taken upon their shoulders life's burdensome tasks.

A different world it's going to be—and a better one!

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines

FORT WAYNE WORKS NEWS



Vol. 8

July, 1924

No. 7



Wire Insulating

Perhaps there is no section of our Works which attracts the attention of the visitor so quickly as the Wire Insulating Department in Building 17-3. Our cover for this issue carries a view of a corner of this section which may serve to give you some idea of the multitude of whirring spindles required to put the silk and cotton insulation on the wire used in our plant. There are four rows of these multiple spindle machines extending clear across one end of Building 17. Then there are long rows or batteries of heavier machines which insulate with paper and tape coverings the heavier flat shapes of wire. These spindles are kept whirring day in and day out and cover literally thousands of miles of wire with the many more thousands of miles of yarns and tapes.

There is action, yes speed, in evidence at every one of the many insulating machines. Some machines carry as high as 60 spindles, that is they insulate at one time 60 separate lines of wire. These spindles on the machines which insulate the smaller sizes of wire run at 5,000 r. p. m., and even on machines handling larger wire the spindles turn so fast as to make a blur before the eye.

Thirty-nine hundred miles of wire is insulated here in an average week's output, and this reduced tells us that 650 miles of wire is insulated as an average day's work. In pounds the figures are so large that it is easier to think of them in tons. Eleven tons of wire for each day is about the rate at which the material passes through these machines.

But the insulating of wire is not the only work which this department does. It forms from round stock all of our various flat shapes. It produces from commercial rounds many smaller sizes of round wire. It prepares many special insulating yarns by multiplying the threads, a very necessary work where a certain number of turns of insulated wire must go into a predetermined space. Then it prepares and treats all of the various cords used for binding and tying around the Works. It salvages irregular wire, respools wire, salvages and respools tape in proper form for use in the shop. And this salvaging of wire, tapes and yarns is not a small item of this department's work.

The story of this department in all its details is too long to give. However, our readers may remember that the Wire Insulating Department has a hand in preparing the wire used in practically every electrical product of our plant.

FORT WAYNE WORKS NEWS

VOL. 8

JULY, 1924

No. 7

FIREMEN'S CONVENTION PUT ACROSS IN GREAT SHAPE

Speaker at Banquet Stressed Fire Inspections and Fire Preventions—
Duryee and Rogge Re-elected Officers—G-E Firemen Win
Barnes Trophy in Hose Laying Contest

CAREFUL preparation as to all details, an ideal day and a big crowd put across in great shape the Nineteenth Annual Convention of the Northern Indiana Industrial and Volunteer Firemen's Convention held here June 18th and 19th. The industries of the city, the business men, city fire departments and city officials co-operated in fine spirit with the officers and committees of the Association, with the result that it was a big time in Fort Wayne, and a big time for both local and visiting firemen.

The convention opened Wednesday evening with a banquet at the Anthony Hotel, attended by three hundred visiting delegates, local firemen and guests. The feature of the banquet was the address by Frank C. Jordan, Secretary of the Indianapolis Water Works and member of the Executive Board of the National Fire Prevention Association.

Mr. Jordan stressed the importance of the fireman's job. He said that a fireman should consider that he was not working solely for the industrial concern or the city, by whom he was employed, but rather for his co-workers and their families, or the citizens as a whole. In protecting an industrial plant from fire the fireman was assuring

the many employees of that plant of a place to work. In other words, they were protecting the workers' jobs and the business men of the town were thereby assured that the workmen would have money to spend.

"Preventing fires is not as spectacular as fighting fires nor as thrilling but it is much more efficient in every respect," is a statement everyone should take to heart. Citizens should welcome fire inspections of their premises by duly authorized persons, and the speaker suggested that fire departments devote more time and energy to fire prevention and less to the putting out of fires once they have started.

That there is plenty of work ahead in the line of fire prevention was brought out by figures quoted by the speaker. In Indiana, during 1923, the fire losses were \$7,996,802. In America during the last five years the loss from fire was an amount sufficient to line both sides of a boulevard reaching from New York to Los Angeles with beautiful homes. Fires in this country take the lives of forty people on the average each day; a fact which is all the more horrible when considered with the fact that 85 per cent of all



**E. A BARNES TROPHY WON BY G-E
FIREMEN**

fires are due purely to carelessness.

In recent years a number of devastating diseases have been brought under control, the speaker pointed out, therefore, he argued, that it is not impossible to bring the devastating fire menace under control. With public interest once thoroughly aroused and back of the move, Mr. Jordan says we may do great things along the line of preventing fires.

Following Mr. Jordan's talk the delegates held their annual business session. The Wayne Tank and Pump Co., Uniondale Volunteers, Lynn Volunteers and Markle Volunteers were admitted to membership in the Association, making a total of forty-one industries and volunteer companies now in the Association. F. G. Duryee, who just served a second term as President, and G. F. Rogge, for two consecutive terms Secretary-Treasurer, were selected to these positions in the Association for the third time. Robert Ossler, of the Wayne Knitting Mills, was elected Vice-President for the ensuing year. Hartford City secured the convention for next year. Following the adjournment of the business session the firemen and friends were the guests of Mr. Quimby at the 9:30 show at the Palace Theater.

Thursday was the big day, of course, of the convention. The out-of-town fire companies began to arrive early in the forenoon. At 10 o'clock the vis-



ROANOKE AND DECATUR IN WATER BATTLE

itors were taken in over fifty machines for an automobile tour of the city, leaving just time enough for lunch before assembling for the big parade, which moved promptly at 1 p. m. All local industrial volunteer fire companies, the city fire and police departments were well represented in the parade, together with heavy representations from outlying towns and cities who hold membership in the Association. A number of bands, including, of course, our own G. E. Band, scattered among the marchers, furnished the stirring music necessary to make it a snappy parade.

A feature of the parade which was quite interesting was the massing of the bands at the entrance to Swinney park. Approximately 200 musicians were thus assembled in one monster band which then led the marchers to the site of the afternoon contests at the far side of the park.

In the contests, Fort Wayne companies being the hosts, were not eligible to compete in the regular Association events; however, Mr. Barnes, by offering a special prize of a silver trophy for the best time in the hose laying contest and specifying that local industrial volunteer fire companies be eligible to compete for this trophy, made it possible for local firemen to engage in this event. This trophy was won by the G. E. firemen on 30 3-5 seconds time to run 300 feet, couple and lay 200 feet of hose and attach a nozzle. Bowser's team made it in 31 4-5 seconds, Bluffton's time of 40 seconds secured for them the cash prize, as neither of the speedier local companies were eligible for the Association prize.

Bluffton won in the ladder climbing contest and in the truck race.

Roanoke was awarded the honors in the water battle, and to win had to compete against both Decatur and Warsaw. While they did not succeed in driving either of these opponents away from the line they won by holding to the mark themselves and in keeping their hose more steadily on their opponents. It is safe to say that contestants and spectators will never forget this water battle fought at ten-foot range with hose working under 75 pounds fire pressure.

Mishawaka secured the first prize for having the best band, Warsaw the first prize for the best volunteer company, and Mishawaka the first prize for best and largest industrial fire company among the visiting fire companies.

The local and visiting bands gave a fine concert after the field events. A barbecue lunch served in West Swinney park followed by the firemen's ball held in the dance pavilion were the closing events on this probably the largest and one of the best conventions ever held by the Association. It is hoped the advent of this meeting of the Association here may be reflected in more care in regard to fire and fire

hazards throughout this section of our state and a greater appreciation of the firemen and their service to society in general.

P. M. STAEHLE GOES TO PITTSFIELD

J. C. Porter Will Take Over Estimating Work on Transformers Here

P. M. Staehle, who has charge of estimating and sales correspondence in the local Transformer Engineering Department, will leave the latter part of the week ending July 12th for Pittsfield Works, to which he has been transferred as General Assistant to Mr. H. F. McRell, Sales Manager Distribution Transformer Section of Central Station Department. Mr. Staehle came here from Pittsfield in 1916 to take up transformer design and estimating work. As the estimating work grew heavier he was relieved of design work and since that time has had charge of all estimating and sales correspondence work for the local Transformer Department. In his new line of work his past experience will be of value as it has brought him into close touch with both the factory organization and the transformer specialists who are in the sales end of the work. The many friends of Mr. Staehle here at this works, while regretting to hear of his leaving our midst, will be glad to hear of his advancement to this broader and more responsible position.

J. C. Porter, who for the past two years has been associated with Mr. Patch in the design of power sizes of transformers, will take over much of the work previously handled by Mr. Staehle. Mr. Porter came to the General Electric Company two years ago, immediately on graduation from the University of Illinois. After several months on the Student Engineers'



J. C. PORTER

Course he was transferred to permanent work in the Transformer Engineering Department, where he has since been employed. Mr. Porter's change of work is in the nature of an advancement and comes in recognition of the ability he has displayed in the few years he has been a member of our organization.

UNIVERSITY STUDENTS RECEIVE FELLOWSHIPS UNDER COFFIN AWARD

Eight university men of high scholastic attainment and exceptional promise have been awarded university fellowships for research work during the year 1924-25 by the Charles A. Coffin Foundation, established by the Company in 1922.

Awards have been made to the following men: Ralph D. Bennett, Union College and the University of Chicago; Ulric Bray, Emory University and Yale University; G. Howard Carragan, Rensselaer Polytechnic Institute and University of Chicago; Elliott W. Cheney, Dartmouth College and Brown University; R. Carvel Henson, Baltimore Polytechnic Institute and Johns Hopkins University; Clarence T. Hesselmeier, Leland Stanford Junior University; Alfred L. Dixon, University of Illinois, and William L. Fink, University of Michigan. Fellowships were awarded to the last two named last year, and are renewed for the coming one.

The research problems in which they will engage cover a wide range, including the x-ray-quantum theory; equilibrium in the system alkali-carbon dioxide-water; the Zeeman effect on fluorine; insulation with special reference to absorption; high voltage phenomena; electronic and thermodynamic effects at high temperature, and struc-



P. M. STAEHLE

ture of steel with effect of carbon concentrated.

The men have, of course, had exceptional records for scholarship during their collegiate careers. As a group they have obtained 280 "A" grades, seventy-two "B" grades, and but twenty "C" grades. Practically all of them are now working for their doctor's degrees.

The Charles A. Coffin Foundation scholarships are awarded in the fields of electricity, physics, and physical chemistry. They carry a minimum allowance of \$500, which allowance may be increased to meet the special needs of the applicants to whom they are awarded. The committee making the awards, for the present year, consists of: Dr. John C. Merriam, representing the National Academy of Sciences; Harris J. Ryan, representing the American Institute of Electrical Engineers, and Dr. Charles F. Scott, representing the Society for the Promotion of Engineering Education. W. W. Trench is secretary of the Foundation.

GOODS REPRESENT WORK

A worker who has been successful in saving and maintaining his family explained how he did it in these words: "As long as I thought of prices for things merely in money, I never could save a cent, and we had very little to show for what we spent. In terms of money, anything wanted seemed cheap.

"One day when I was going to spend a dollar foolishly, the question occurred to me, 'How many hours of good hard work did it take me to earn that dollar? The article no longer seemed desirable and I quickly realized that at the price of two hours' work it was not cheap. Since then I have trained myself to translate prices into working time. Ten cents is twelve minutes at the mill; \$5 means a day and overtime.

"If you use this system you will be surprised to find how many things you can do without easily and how many other things are not worth the money to you. Even better, pricing things in hours of work helps you to get real solid value for every cent you spend.

"Before we spend for shows or what not, we decide whether the recreation or amusement contemplated would be worth the work it took to earn that fun.

"As a result, many a 'foolish' quarter and dollar have been saved, which certainly pay full time for work done. We regard the interest as 'overtime velvet.' Besides, we have a better home, better clothes, better furnishings, better food, and more fun than we did before I began to spend wisely."

—Schenectady Works News.

Some men can't go forward because they always have the brakes on to keep from slipping backward



M. T. TOBIAS

FIFTEEN AWARDS ON SUGGESTIONS

Tobias Receives Second Award

The Committee on Suggestions announces the following awards made on suggestions up to June 24:

Mr. M. T. Tobias, an award of \$40 on a suggestion regarding a method of grinding the taper on certain S. D. A. motor shafts to aid in pressing on the oil thrower. Mr. Tobias, who is an employee in the S. D. A. Armature Department, Building 17-4, realized the method of assembling these oil throwers on the armature was inefficient and devised the scheme that is now being used with considerable success. In the June issue of the Works News we carried a picture of Mr. Tobias, and we are presenting his picture again to show that it pays to send in every new idea that one has and not just be satisfied with a single award on one suggestion.

Mr. Paul Henriks, an award of \$15 on a suggestion regarding a guide pin for the end fibre on small motor armature stacking jigs. Mr. Henriks, who is employed in the Fractional H Motor Armature Stacking Department, Building 4-1, conceived the idea that by placing a small guide pin at the base of the stacking jig considerable time would be saved in lining up the end fibre with the stacking.

Mr. D. Wayne Hendricks, an award of \$10 on a suggestion regarding the spring clip for holding brushholders on the Cleveland Automatic for broaching brushholders in Building 4-3. Mr. Hendricks, who is a repairman working for the Mechanical Maintenance Department, noticed that the broaches on this machine were being broken because the brushholders did not line up properly in the collet and he designed a simple device which held the brush-

holders firmly until they were inserted in the collet.

Mr. J. J. Sullivan, an award of \$10 on a suggestion regarding an operation tag for transformer tanks manufactured in Building 27. Mr. Sullivan is an employee of the Tank Shop, Building 27, and in performing his duties as an inspector he noticed that considerable time would be saved if tags were printed showing all the various parts of the transformers that had to be checked and inspected. Such a tag was made and has been put into use with considerable success.

Mr. David Slater, an award of \$10 on a suggestion to have a woman string the spacers on the strip used on type "H" helical transformer coils. Mr. Slater is an employee of the Transformer Winding Department in Building 26-3, and his idea makes it possible for the winders to get out more production on their machines because this operation is done for the winders before the material is delivered to them.

Mr. Rudolph Stock, an award of \$5 on a suggestion regarding a guard for the motor on American lathe No. 7836, located in the Commutator Department, Building 17-2. This guard prevents the crane chain from getting into the end of the motor against the collector rings and causing damage. Mr. Stock is an employee in the above department.

Mr. S. More, an award of \$5 on a suggestion regarding a method of spraying the bottoms of induction motors. Mr. More, who is employed in the Induction Motor Paint Shop, Building 19-1, noticed that the scheme now being used for spraying the bottoms of the induction motors was somewhat hazardous and suggested a different method of doing this which led to an improvement in the old method.

Mr. Wm. H. Moltham, an award of \$5 on a suggestion regarding a tool for reaming the center of the gear used on the Elapsed Time Switch manufactured in the Meter Department. Mr. Moltham, who is an employee in the Meter Light Machine Department, Building 26-4, designed a tool to be placed in a bench lathe which made it possible to ream these gears so that the hub would be concentric with the gear teeth.

Mr. Gerald Moore, an award of \$5 on a suggestion to use smaller size clips on the leads used in testing small transformers. Mr. Moore, who is an employee of the Transformer Test Department, Building 26-2, conceived the idea that by placing smaller clips on the leads used for testing the smaller sized transformers, considerable time would be saved because the clips would fit the leads and would not be so apt to come off.

Mr. J. R. Heine, an award of \$5 on a suggestion regarding placing a Gib crane in the Die Repair Department, Building 26-5, to handle the large dies.

(Continued on page 7)

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
R. F. Smith _____ Safety
Wade Reed _____ (G-E A. A.) Athletics
Dorothy Hormel _____ Girls' Department
Verena Miller _____ Decatur Works

REPORTORIAL STAFF

S. C. Newlin _____ Electro-Technic Club
LaVera Vail _____ Ellex Club
Carrol Blincoe _____ Apprentice Association
Russell Haruff _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
Perry Shober _____ Band
J. E. Hall _____ Quarter Century Club
K. Szink _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
J. C. Porter _____ G-E Squares
Josephine Zimmerman _____ Absent Employees

Vol. 8 July, 1924 No. 7

DID YOU KEEP YOURS?

The management of the entire General Electric Company is very much interested in the results obtained by the distribution of the supplementary compensation, in the form of Employees Securities Corporation bonds.

This compensation is a part of the earnings received by the individuals who have been in continuous service of the Company for five years or more. For several years it has been paid every six months to those who were in the employ of the Company at the time distribution was made. As the name implies, it is supplementary, i. e. it is over and above the regular compensation which is paid every week.

These bonds and the money represented by them are the property of the employees receiving them, and provision that the bonds may be cashed at any time, and without question, is still in effect. There have been so many of these supplementary compensation bonds surrendered for cash so promptly after the distribution, however, that the committee undertook to find out from some of those who cashed bonds, just why they were surrendered.

The replies to this informal investigation are so varied that we think comment upon some of them will be of particular interest to all employees.

About fifteen per cent of those interviewed reported they required the money to pay hospital, doctor or dentist bills. These bills we may look upon as emergencies, hence the use of savings in payment of them is justified, if other funds are not available.

About forty per cent reported they used the money to pay insurance premiums, to buy furniture or equipment, or to pay on the purchase of a house or lot. On the assumption that the insurance premiums are upon life insurance, or insurance to protect the home, and the furniture or equipment is for the home, and the house or lot is being purchased for the purpose of establishing a home, these expenditures are to be highly commended. There is no expenditure of money that is more essential than to provide for the welfare of our loved ones, by establishing and protecting the homes. President Harding is quoted, "We want an America of homes, illuminated with hope and happiness, where mothers freed from the necessity of long hours of toil beyond their own doors may preside."

Cardinal Gibbons is reported to have said, "The root of the commonwealth is in the homes of the people. In proportion as our people own their homes, the country gains in stability."

In an article in a recent popular magazine, the statement appears, "The average man has neither the foresight nor the financial ability to save for emergencies." This is an ugly statement, but it is the truth, that fills our almshouses, and makes such a large percentage of our population dependent upon relatives or charity, as old age approaches.

The evident purpose of the Company in setting up the means by which we employees can acquire bonds of the Securities Corporation, is to encourage thrift; to have something laid aside in the way of property, or of funds which will acquire property, or provide for emergencies.

These bonds are property, or represent the means whereby the owner may acquire property and selected properties of the right kind are very desirable things to have.

Over five per cent of the replies reported the reasons as: 1. To put the money in the bank. 2. To pay into Christmas savings funds. 3. To put away as emergency funds. It is this group of replies that commands our particular interest and attention. To put money in the bank is commendable as a general practice, but a big bank account is not essential. If the money is placed in a checking account it becomes idle, so far as the owner of it is concerned. It helps the bank, and the bank is glad to have the deposit, because the bank makes money by using its customers' deposits. Our checking accounts should carry only sufficient sums to take care of our living expenses, our day to day, week to week requirements. We should have sufficient on deposit to meet our bills and expenses, without overdrawing the account, but very little more is needed.

If the money has gone into a savings account, or interest bearing certificate of deposit, or into a Christmas savings fund, what have we done? We

are drawing interest on these funds to be sure, but how much? Four or five per cent per annum is the maximum, and we may lose even that rate if we happen to just miss the day when the earning of interest starts, or if we need to cash the certificate of deposit in less than four months from its date.

But what was our bond that we cashed prepared to earn for us? Six per cent from the Securities Corporation, and an additional two per cent from the General Electric Company, as long as we remain in the employ of the Company.

Results—On the one hand a maximum of only two or two and a half per cent, and perhaps not that, in six months from the date the savings bank deposit, or Christmas savings fund, or the certificate of deposit was established. On the other hand, four per cent sure every six months, as long as the bond remains uncashed, and the holder continues in employment.

An interest bearing account in a savings bank, or trust company, or a Christmas savings fund, or a vacation fund are splendid things for those who have no other means available for accumulating funds. Why should we cash bonds with an eight per cent earning, to get a possible four per cent earning from a savings bank? Have we gained anything? No. We have actually lost half of our earnings, and possibly more. Not very thrifty—what do you say?

The reply: "To put away as an emergency fund," is rather a sticker. Has the money been put in a can and buried in the back yard, or put behind a loose brick in the chimney, or deposited in the sand bank along the creek? Such funds are out of production, and therefore are earning nothing; worse than that, the possibility of actual loss and destruction of the money, through fire or theft, or other means is very great.

What constitutes an emergency fund? It would seem to mean the provision that one can get the desired money quickly. In what way do the bonds fail to meet that requirement? The Company agrees that the face value of the bond is payable on demand, except for the proviso that sixty days' notice may be required. But the savings account or certificate of deposit are subject to the same provision. The possibility of a sixty-day notice clause being insisted upon is very remote. Did you ever experience, or hear of, a Fort Wayne bank requiring sixty days' notice?

The actual time required to secure the money on one of these bonds may be a week or a trifle longer, due to the fact that the bond must be sent to Schenectady for cancellation; but that need embarrass no employee in good standing with the Company. Explain the circumstances to the cashier, or to any member of this committee if immediate funds are required, and probably some way can be found to take care of the emergency.

In reality, those who hold bonds of the Securities Corporation, hold interest bearing certificates of deposit, payable on demand, registered in the name of the individual, and earning about double the current savings bank rate. In other words, our funds are on deposit with the Employees Securities Corporation, almost the same as if we had put them into the bank, but we are earning at a very handsome rate.

In case a temporary use of money is needed, it may not be necessary to actually cash the bonds. They are acceptable as collateral at the bank, to secure a note, and if the holder has reason to believe he can pay back the money borrowed, within sixty or ninety days, or even in a longer period, a loan from any one of several of the local banks may be negotiated. Again, see the cashier or any member of the committee if help or counsel is needed in this regard.

One other reply has much interest in it. Some have reported that they have cashed their bonds to buy other stocks or bonds—look out! These Securities Corporation bonds earn us eight per cent per annum, and they have back of them the credit of the General Electric Company. There is no mortgage on any of the General Electric properties, and it borrows money on its promise to pay. It has borrowed millions and repaid millions of dollars in the past twenty or thirty years, with no defaulting of interest or principal. It has paid dividends of eight per cent or more on its capital stock for over twenty years continuously. Its five per cent debenture coupon bonds are regularly selling on the Exchange at a premium, i. e. the buyer earns less than the reported five per cent rate.

If you can get the General Electric Company to give you its promise to pay, or its promissory note, you have good paper, paper than which there is no better, because the Company's history bears out the fact that no bonds have been defaulted, nor has the interest on them gone unpaid, and there are the first essentials of a safe investment. We bondholders have such paper. More than that, the earning of that paper is at a rate much higher than established by the usual measures of safety. In holding these Securities Corporation bonds therefore, we have a safe investment, because of the General Electric Company's credit behind them, and a high yield. It is a very serious question whether we can find a security in the form of a stock or a bond that can give us an equivalent yield, combined with the safety of these Securities Corporation bonds.

The July, 1924, distribution of the supplementary compensation will occur again this summer, and the committee will be glad to counsel with anyone who wishes to know more about the bonds. Those who wish to cash them may do so as heretofore, but before cashing the bonds, the committee earnestly urges individual to study his particular

case, to see if it is not possible to retain the bond as a definite and tangible saving, and at the same time accomplish the purpose for which the money would otherwise be used.

"Keep your bonds—watch them grow."

Committee,

MISS GERTRUDE TRAXLER,
MESSRS. X. J. DIVENS,
W. J. HOCKETT,
M. F. EINSEIDEL,
F. G. DURVEE,
J. J. KLINE, Chairman.

AWARDS ON SUGGESTIONS

(Continued from page 5)

His idea makes it possible to work on these dies without doing a great deal of lifting and without trucking the movable crane about the floor. Mr. Heine is an employee in the Tool Making Department, Building 26-5.

Mr. W. F. Parnin, an award of \$5 on a suggestion regarding a guard for the belt of machine No. 5 located in Building 19-4. Mr. Parnin noticed that the belt of this machine was not guarded and since it is used largely by women operators, there was danger of them getting their clothing or hair caught in the machine. Mr. Parnin is an employee in the Meter Japanning Department, Building 19-B.

Mr. A. L. Parker, an award of \$5 on a suggestion regarding a guard for the motor belt on punch press No. 9505, located in Building 27. This belt was already guarded on one side, but Mr. Parker called attention to the fact that the other side should be guarded as a great deal of work was done on this side of the machine. Mr. Parker is an employee in the Tank Shop, Building 27.

Mr. E. Schoelein, an award of \$5 on a suggestion regarding placing lead drip pans under the acid containers used in the Cleaning Department, Building 26-4. His idea prevents acid from dripping on the floor and rotting it. Mr. Schoelein is an employee in the Meter Light Machine Department, Building 26-4.

Two other awards were made to Decatur men. The stories of these awards are found in the Decatur section of this issue.

PUBLIC UTILITY HEADED BY BRITTON I. BUDD RECEIVES CHARLES A. COFFIN MEDAL

For the second time within less than a year Britton I. Budd has come before representative groups of men in the electrical industry to receive a Charles A. Coffin Medal.

On May 21st, at the annual convention of the National Electric Light Association, Mr. Budd received the Charles A. Coffin Medal which is awarded annually to the public utility operating company in this country which, during the past year, has made the greatest contribution toward increas-



BRITTON I. BUDD

ing the advantages of the use of electric light and power for the convenience and well-being of the public and the benefit of the industry. In this case he represented the Public Service Company of Northern Illinois, of which he is president. Last fall he received the Coffin Medal presented to the Chicago, North Shore, and Milwaukee Railroad, which he also heads.

In addition to receiving the medal Mr. Budd was handed a check for \$1,000. This sum goes to the Employees' Mutual Benefit Association of the winning utility. The presentation was made by Walter H. Johnson, of the N. E. L. A., who also represented the Charles A. Coffin Foundation, established by the General Electric Company.

The action of the Committee is a tribute to the forward looking public utility policies sponsored by Mr. Budd. Service has been his ideal, and he has built both the Public Service Company of Northern Illinois and the Chicago, North Shore and Milwaukee Railroad into organizations which stand ready to go to any extreme to render service. He has proceeded to advertise these services. He insists, also, on a square deal both for the public and employees.

Serving many small communities, the Public Service Company of Northern Illinois maintained an intensive program of service to its public during the year. It did much to promote the welfare of its employees; increased the



NEW MEMBERS QUARTER CENTURY CLUB

QUARTER CENTURY CLUB ACQUIRES TWO NEW MEMBERS

Two Others Will Have Completed the Required Service Before End of July.

The local Quarter Century Club has recently elected to membership two men who have qualified by twenty-five years of continuous service with the Company. Before the end of July two other local men will have qualified for membership by the required years of service. Messrs. E. L. Simpson and Geo. H. Harkenrider, are the new members, and Bernard Evans and Conrad D. Witte are the men who began work here in the month of July in the year 1899.

Mr. Simpson was raised on a farm near Kokomo, Ind., and following his common school education, entered Purdue University, from which he graduated with the class of 1899. On June 20th, of the same year, he began work on the Test at the Schenectady Works. A year later he was placed in charge of the Transformer Test, a position he held until April, 1904. He then was made assistant general foreman of the Transformer Department, serving in this capacity until September, 1908. Then for a year he served in the Technical Superintendent's office before he was made assistant superintendent of the Induction Motor Department. After eight years on this work he was transferred, March 1, 1917, to our local Works as assistant superintendent. In March, 1919, Mr. Simpson was appointed manufacturing superintendent, the position which he now holds.

Besides his unusually active career at the G. E., Mr. Simpson has taken

an active interest in various clubs and fraternities. We find him at present an associate member of A. I. E. E., a member of the University Club and of the Rotary Club. He is a 33d degree Mason, a past chairman of the local section of the A. I. E. E., and also a past president of the Electro-Technic Club.

George H. Harkenrider was born September 16, 1882. He entered the employ of the Company June 26, 1899, in the Arc Lamp Department, under John J. Bauer, in which department he served six years. He was then transferred to the Electrical Maintenance Department under Fred G. Duryee, serving in that department for nine years. In 1914 he was appointed foreman of the Transportation Department, in which capacity he continues to serve.

Bernard Evans was born April 22, 1882. He was employed July 5, 1899, as a machinist apprentice. After completing his apprenticeship he served for several years in the Meter Tool Department under Henry Reehling. In 1912 he was appointed foreman of the Tool Making Department, and on March 1, 1919, he was promoted to the position of tool supervisor, in which capacity he continues to serve.

Conrad D. Witte was born December 13, 1867. He entered the employ of the Company July 24, 1899, in the Brushholder Department under Tony Miller, in which department he served ten years. He was then transferred to the Pattern Shop for work on metal patterns. In this line of work he is still actively engaged and therefore, at some time or other, has had a hand in the production of practically all lines of apparatus manufactured at the Fort Wayne Works.

It is hard to borrow money because people who have it have it because they don't lend it.

efficiency of its organization; and added many of its customers to its list of stockholders.

That its relations with customers might be improved, the company organized a staff of men to answer complaints by personal calls rather than by letter. It furnished standard 50-watt lamps free in return for burned out lamps, and it placed on exhibition three electric homes, one of which was visited by 46,000 persons.

A department of public relations conducted a progressive advertising campaign which materially reduced the service complaints. Advertising was carried on through the medium of newspapers, painted highway bulletins, colored posters, descriptive folders, motion pictures, and an attractive year book.

An employees' savings fund is maintained. Employees may receive their deposits, plus compound interest, in cash or common stock of the company, at the end of five years. Free life insurance, up to \$1,500, is given employees in the service of the company for six months. Additional insurance is available to them at low rates. A temporary loan fund is maintained, and a service annuity provides for annual payments of not less than \$300 to retired employees.

The company believes it is the first electric public utility to co-operate with an educational institution to raise the standard of its personnel. It has an arrangement with the University of Illinois whereby it gives special supervision to graduates of the university's course in the economics of the utility industry, and extends the use of its plant for experimental work.

Employees are encouraged to accept responsibility as good citizens. The company is proud of the fact that among its employees is a mayor, a president of a chamber of commerce, several chamber of commerce directors and a Kiwanis Club president.

THE TRANSFORMER DEPARTMENT

**Volume of Business Increased 175 Fold
Since 1900.**

The Transformer Department at this Works this summer will finish its thirty-sixth year. Transformer work was first started here at the old Fort Wayne Jenny Plant in the year 1888. Marmaluke M. Slattery was the engineer who designed the first transformers that were manufactured here. Necessarily the designs were relatively crude for he had no experience or data on which to base his designs. Some time later Mr. James J. Wood came to the Fort Wayne Works as chief engineer, and soon thereafter redesigned the entire line of transformers then in production. Some of the transformers built in those earlier days under Mr. Wood's direction are still in existence

and in operation, after more than twenty-five years of service.

After the General Electric Company acquired control of the Fort Wayne Works, Mr. E. A. Wagner, the present managing engineer, was sent here from Schenectady to take charge of Transformer work. He came to Fort Wayne in 1900, and for a number of years was responsible not only for the design but for the sale of all transformers built here. Under his direction the transformer business began to expand from the original line of 60 cycle transformers, 2200 volts, 30 kw and below. After a time the transformer business grew to such an extent that it was desirable for Mr. Wagner to give his whole attention to the design and manufacture, and he accordingly was relieved of the commercial responsibility for this line.

The Transformer Department continued to grow, and in 1917 was decentralized, Mr. Wagner being given

the title of managing engineer. In such position he is still responsible for both the engineering and manufacture of all transformers produced at our Fort Wayne Works.

From the beginning our transformer business had attained in the year 1900 we find it has developed into an annual production one hundred and seventy-five times as great. Instead of the single line originally built we manufacture a large variety of power and distribution transformers, instrument transformers, X-Ray, Pyrotips, A-C Compensars, Oil Testing, and the smaller specialties, such as All-Nite Lites, bell and radio. The larger power sizes of transformers are built in capacities up to 2500 kv-a, 76000 volts, while the transformer specialties make up in quantity what they lack in size. As one of the men aptly expressed it, "We build them from as small as mouse to as large as a house." As assurance that they are not nearly all



only thing we couldn't figure out was, when. Quite considerate of you, Steiny, to finally allay the suspense. We know you have found a wonderful girl and congratulate you on your excellent selection. Luck to you.

Incidentally the G-E Squares should be well supplied with cigars for some time to come.

At our June meeting we initiated a man who is already making a name for himself around the plant, S. H. Ruggles, from Ohio State University, who came to the G. E. Company several months ago and is now working in the Building and Maintenance Department. Ruggles is hard to beat when it comes to playing the piano and his ability to talk is not to be questioned. We expect to hear more of Sam in the future.

A number of new men are expected within the next few weeks from various universities of the country. A total of thirty-five have signified their intention of working with the Company. Plans for getting them settled have been

direct that your name be enrolled among our honorary alumni."

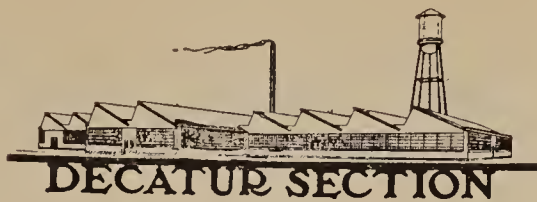
Mr. Swope holds a B. S. degree from the Massachusetts Institute of Technology, is a trustee of that institution, and a Fellow of the American Institute of Electrical Engineers. He has been decorated by the emperor of Japan with the Order of Merit of the Rising Sun, is Chevalie of the Legion of Honor, and has been awarded the Distinguished Service Medal by the President of the United States.

Owen D. Young, Chairman of the Board, received honorary degrees from Tufts College, Dartmouth College, and Harvard University. In each case he was made Doctor of Laws. Mr. Young already holds honorary degrees from St. Lawrence University, his alma mater, and Union.

Charles A. Coffin, first president of the company, has received the honorary degree of Doctor of Laws conferred upon him by Princeton University.

W. L. R. Emmet, consulting engineer, received the degree of Doctor of Science from Trinity College.

Edward R. Berry, assistant director of the Thomson Laboratory, Lynn, received a Doctor of Science degree from the University of Maine.



Miss Charles Marries

Miss Martha Charles, stenographer to Mr. E. W. Lankenau, Superintendent, was quietly married May 31st to Mr. Carpenter, of Elwood, Indiana. It came as a surprise to everyone.

Miss Charles has been in the employ of the General Electric Company for a year and has made a host of friends. Last November she was elected president of the Gecode Club, and being a very active member, did everything she could for the benefit and interest of the club.

Mr. and Mrs. Carpenter now reside at Elwood, Indiana.

Awards on Suggestions

The Committee on Suggestions announces the following awards given employees at the Decatur Works:

Mr. Arbie Owens, an award of \$15 on a suggestion to eliminate an operation on the punching of the end fibre

for the S. A. Armatures. Mr. Owens' idea eliminated the use of one punch and die on this work and speeded up the work considerably. Mr. Owens is employed in the Punch Press Department at the Decatur Works.

Mr. Tilmon Gehrig, an award of \$5 on a suggestion regarding installing a guard over the main aisle in the Decatur factory. Mr. Gehrig is employed in the Tool Room of the Decatur Plant.

HOW NEWTON DISCOVERED GRAVITATION

A falling apple rudely aroused Sir Isaac Newton as he napped one day and started him off on a line of investigation which resulted in the discovery of a most important law of nature. Sir Isaac finally concluded that there is a strong force drawing all objects toward the center of the earth in the same way that a magnet attracts scrap iron. That force, which we know as "gravitation," has existed from the beginning of time, but Sir Isaac was the first to explain why—why we strike the ground with a sickening thud when our feet slip from under us, and why a carelessly placed monkey wrench raises a lump on the head of anyone between



SAFETY COMMITTEE DECATUR WORKS

Standing: Wm. Heim, Charles Brothers, Frank Braun, C. Lutz, Wm. Kohls, A. Buffenbarger, J. Knott.
Seated: Linn Kern, secretary; C. Langston, B. Gage, chairman, and C. Wait.



HOW NEWTON DISCOVERED GRAVITATION

it and the ground as it falls off the scaffold.

The law of gravitation, through falls of persons and falling objects, has probably killed more people than wars and automobiles combined. It causes about 15,000 deaths a year in the United States alone, and an unknown number of bruises and broken bones. It is involved in nearly every "hurling material" accident.

Unfortunately, when Sir Isaac discovered the cause of falls he didn't suggest a remedy. In his day an accident was regarded as the will of God rather than the result of somebody's carelessness or cussedness.

Safety engineers have been trying ever since to find the remedy. Many safety rules are warnings to keep you from being attracted suddenly and violently toward the earth or from getting between the earth and some heavy object headed that way. That is why safe ladders and scaffolds are necessary, why floors should be kept clean and free from obstacles, and why chains and other hoisting equipment should be inspected and replaced frequently, and why careful piling in the warehouse is so necessary.

In spite of its faults the force of gravitation is a good friend. Without it we wouldn't be here at all. Safety rules can't overcome a natural law but they show the way to work safely in spite of it.

APPRENTICE ALUMNI OUTING AND REUNION TO BE HELD AT TRI-LAKES

The G-E Apprentice Alumni will hold an outing and reunion at Tri-Lakes, July 12-13. It is expected that practically all of the ninety-seven living graduates of this school will be present for this event. On the program there will be fishing, music, dancing and stunts. Sunday, the second day of the reunion will be the big day. Prominent on this day's schedule is the business meeting and a big chicken dinner.

GENERAL ELECTRIC EQUIPMENT PLAYS A LARGE SHARE IN THE OPERATION OF THE KENTUCKY SECURITIES CORPORATION

Light and Power Departments Have Shown Healthy Growth for Past Two Years.

(This is the eighth of a series of articles dealing with public utilities—customers of the General Electric Company—in which the G. E. Employees Securities Corporation has invested part of the savings of those G-E employees who hold its bonds—Editor.)

IN the heart of the Famous Blue Grass region of Kentucky is located Lexington, the state capital, and the home of the Kentucky Traction and Terminal Company, the Lexington Utilities Company, and the Lexington Ice Company, subsidiaries of the Kentucky Securities Corporation, in which the G. E. Employees Securities Corporation owns stock.

The Kentucky Traction and Terminal Company furnishes interurban service between Lexington, Paris, Georgetown, Frankfort, Versailles and Nicholasville, Ky., and street railway service to Lexington. The Lexington Utilities Company furnishes power for the traction company's systems and light and power to the city and adjoining districts. The Lexington Ice Company manufactures and markets artificial ice in this district.

General Electric equipment plays a large share in the conduct of all these businesses. Within the last year and a

INTERESTING FACTS CONCERNING THE KENTUCKY SECURITIES CORPORATION.

Twenty-three miles of city car lines operated.

Seventy miles of interurban lines operated.

9,000-kv-a. steam generating plant operated 33,000-volt transmission line.

Five utilities supplied with power at wholesale.

Six substations operated.

Two ice plants operated.

Two hundred and ten tons of ice daily capacity of ice plants.

half the traction company has changed its old heavy two-man interurban cars for new, light weight one-man cars equipped with G-E motors, air compressors, and controllers, and one-man city cars have also been put into service. The interurban cars are equipped with four motors each, while the city cars have two motors apiece. Practically all this equipment was built in the Erie Works of the General Electric.

Two of the three steam generators in the utilities company's 9,000-kv-a. generating plant were built by General Electric, and Lexington's street lighting system is G-E built. It includes a modern White Way comprising one hundred and nineteen 1,000 candle-power Mazda lamps installed in Novalux units, with light Carrara outer globes—all General Electric products.

The two ice manufacturing plants are electrically operated. The smaller of the two plants is of the steam absorption type, the steam being furnished from the power station, which results in



very economical operation. Entirely new raw water ice making equipment has been installed in the larger plant.

Natural gas, the majority of which comes from the state's newly developed gas fields, is marketed in Lexington by the utilities company.

Healthy growth has been shown during the past few years by the light and power department of the utilities company. The last fiscal year showed an increase of more than 20 per cent in the number of new consumers. An increase of more than 15 per cent in passenger revenue was shown during the past fiscal year by the interurban division of the traction company. At the same time the city railway revenue dropped off 1 per cent, but has been climbing steadily since the new cars have been put in service.

The three companies have recently taken over a new office building and the operating officials of the companies believe the additional space afforded by this move will suffice for years to come and that the acquisition of such modern offices will further improve the position of the concerns.

GROUP LIFE INSURANCE

Deaths Reported for May, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
John V. Kline	April 28	Wife
John S. Younger	April 28	Wife
Joseph Castiglia	April 30	Wife
Fred'k A. Kopfstadt	May 3	Wife
Antonio D'Allesio	May 3	Wife
Achille Gregorio	May 24	Wife
James O. Fosbrook	May 28	Wife
Willard F. Shafer	May 16	Wife
<i>River Works</i>		
Charles K. Doane	April 29	Wife
Carl R. Wichmann	May 8	Wife
Adam F. Muleronka	May 15	Wife
Athanostas Nebaropoulos	May 15	Wife
<i>Pittsfield</i>		
Patrick Rafferty	April 16	Wife
<i>Fort Wayne</i>		
Geo. G. Longardner	May 2	Wife
Wm H. Graffe	April 6	Sister
<i>Bridgeport</i>		
Mary E. Nemetz	April 20	Mother
Total—16 deaths		\$17,650

BUY AN 8 PER CENT BOND

You can buy for CASH, until the end of the year 1924, G. E. Employees Securities Corporation 50-year bonds, 1924 issue, paying 8 per cent interest per annum as long as you are in the employ of the General Electric Company, providing you have not already bought or subscribed for \$500 of the 1924 issue of these bonds.

These bonds are issued in multiples of \$10 up to \$500, the limit of the allotment for the year 1924.

After buying G-E bonds a good plan is to have the interest accumulate by signing—"Interest Accumulating Order." The General Electric Company will pay 6 per cent interest per annum on the accumulated interest.

By following this plan from year to year quite a nest egg can be accumulated.

Girls Department



Building No. 19-4 Girls Get Together Again

Mrs. Faye Shultz, formerly of Building 19-4, entertained at a 6 o'clock dinner the Misses Nina Gordon, Rebecca Fogwell, Cecil Leaky, Nev? Warren, Hilda Hockemeyer, Margaret Fox and Clara Krudap, at her home in Thompson avenue. Mrs. Shultz is a charming hostess, and she showed the girls a very good time.

Building No. 26-4 Girls Picnic

The girls in Building 26-4 had a picnic in Trier's park, June 18th. Forty-five girls went directly from work. A short time after they arrived everybody was busy "feeding her face."

After trying all the amusements they could find, they finally landed in the Fun House, where Irene Meyers impersonated a rube just in from the country and kept the girls doubled up with laughter. Dorothy Rebber, sliding down the chutes, made one think of a hippopotamus out of water. Grace George is very fond of the Fun House also.

Velma Linnemeyer snatched all the brass rings from the merry-go-round, which made Annette Turnsbowll peevish because she had counted on a lot of free rides. Ruth Preston ate nearly a half gallon of ice cream, and Ruth Dixon ate ten sandwiches, so they were not able to take part in all of the events. Ask Helen Hench and Margaret Duffy about their ride on the "Comet."

Fern Burris and Pearl Weinstein, invited in from the outside, helped considerably in snapping things up.

B. T. A. A.

As soon as the baseball league games are finished and the tennis tournament completed, B. T. A. A. activities will be over for the summer, with the possible exception of a few hikes and picnics now and then. Miss Chandler, physical director at the "Y," will be at Camp Yarnelle all during July and will spend the entire month of August at her home in the east, so sports will take a vacation until September, when everything will open with a bang, the swimming pool included. Yes, Miss Chandler tells us now that since the pool is not yet finished, she has decided to wait until everything is absolutely completed, and in the fall she will start all activities at once. It is a disappointment, we know, but what's the good of a swimming pool when the open water season is here? Most of us spend our week-ends at the lakes, anyway.

Elex Club

Elex Club activities have been rather quiet during the past few weeks. Of course that was on account of the weather. They had planned to give a party for the children of the Orphans' Home, but it was too wet and cold to carry that project through. This picnic will be held some time in July or perhaps August. Don't fail to come, if you can.

Neither did the party at Polly Bott's house materialize in time to be written up for this issue.

We wish again to call your attention to the Elex week-end at Camp Yarnelle on July 26th and 27th. You probably noticed in the June Works News the happy expressions on the faces of the Elex play cast in the picture that was taken at Camp. You could tell that they had been having a grand and glorious time. If you once go you will readily understand why there is neither time nor disposition for the "blues," nor indeed anything except keen enjoyment of the life out-of-doors close to the lake.

Come on, girls, let's see a lot of new faces at camp this time. There is room for thirty-five girls. Camp Yarnelle has a wonderful cement tennis court, a fine sandy bathing beach with spring board, several flat-bottom boats, delicious spring water, a rope swing, and places to play horseshoe and baseball—besides an airy sleeping room, a fireplace, should the evenings happen to be cool, and a shelf of books that are good to read lying on a cot on the screened-in porch. The meals are excellent, and how good they do taste!

You owe it to yourself to take this one trip with the G-E girls. We can't very well go to French Point Camp, the General Electric camp for girls on Lake George, but we can go to Camp Yarnelle.

The bulletin boards will tell you about any events that are not mentioned here. READ THEM CAREFULLY.

Girls From Building No. 17-4 Hike

Edna Tarmon, Emily Nierman, Hilda Neeb, Luella Tarmon and Lorinda Byerline, all from the Field Department, Building 17-4, went on a hike Sunday afternoon. They first landed in Foster park, where one of the girls saw a friend of hers who was attending a family reunion. Immediately the thought struck them that here was a good chance to get some good things to eat, and nearly invited themselves in, but they stifled their desire and went on hiking. By the time they had hiked until they were tired out and hungry they remembered the lunch they had brought with them and decided it tasted every bit as good as the big lunch they had almost partaken of.

Mrs. Schick Leaves

Mrs. Veda Schick left the employ of the Company on Saturday, June 14th. She will go to Seattle, Washington, where she will make her home in the future.

Mrs. Schick has been a nurse in the dispensary in Building 2-1 for the last couple of years. Before that she was in the doctor's office and in the Building 26 dispensary. She will be missed very much, because she has lots of friends about the plant who have learned to look for her sunny disposition whenever they went to the dispensary.

Marriages

Piper-Basford

Miss Bertha Basford, who is employed in the Inspection Department, Building 17-4, was married on May 28th. The lucky man was John Piper.

Kuhn-Douglas

Miss Ruby Douglas was given a pleasant surprise Monday evening, June 9th, in Swinney park when the girls of the Pay Roll Department gave a shower for her. The girls had the table decorated in pink and white with a pink and white cake in the center. They also had Miss Douglas' place marked with a corsage of sweet peas and snapdragons. After the picnic the bride received a gift from the crowd. The rest of the evening was spent in the amusement park. The party consisted of the Misses Helen Litot, Leota Boxell, Edna Sarrazin, Juanita Bender, Lillian Stucky, Frieda Lipp, Dorothy Bixler, Dorothy Osborn, Dorothy Bolt, Margaret Wehrle, Anna Walburn, Winifred Smith, Susanna Hamond, Mary Martin, Erma Somers, Lucille Sarrazin, Clara Stevens, Gertrude Traxler, Helen Gnau, Joe Wehrle, Naomi Graver and Thelma Sparks and the Mesdames Eva Overly, Deloras Orr, Vera Hagerty and Katherine Neeb.

Miss Douglas was married on June 18th to Mr. Raymond Kuhn, who also worked in the Pay Roll Department about two years ago. Mr. and Mrs. Kuhn are going to New York, Philadelphia and Washington on their wedding trip. They will return after the Fourth of July, when Mrs. Kuhn will resume her duties in the Pay Roll Department.

Hagerty-Archer

Miss Vera Archer of the Pay Roll Department, surprised her friends in the department by getting married on June 12th to Mr. Kenneth Hagerty. While everyone expected her to be married soon, they did not expect her to be married until August. Mrs. Hagerty will continue working until July 3rd, when she will resign to go to house-keeping.

Hattendorf-Paul

Miss Hulda Paul, who is employed in Mr. Grosjean's office in Building 6-2, was recently married to Mr. Carl Hattendorf. The couple went to New York on their honeymoon, where they visited for three weeks.

Since they are not going to house-keeping immediately, Mrs. Hattendorf returned to work after her honeymoon trip to work an indefinite length of time.

Vorndran-Heit

On the morning of June 14th the Material List Department force was all "on deck" sometime before eight o'clock to await the arrival of Miss Ruth Heit. When she was seen coming down the hall, Miss Olga Brandenburg began playing Mendelssohn's Wedding March on a toy piano. The great excitement was brought about by the fact that Miss Heit was leaving the Company on this day to become the bride of Mr. Carl Vorndran on June 19th.

As she entered the office she was greeted with a shower of rice. She found her desk daintily decorated with an arch wrapped in pink and white crepe paper and under the arch a Hartz Mountain warbler.

Miss Heit left the Company after six years of service; and the many friends she has made in that time join in wishing her a wedded life full of happiness.

Adang-Boyce

The girls of the Shipping Department entertained Thursday noon, June 19th, with a luncheon in honor of Miss Matilda Boyce, whose marriage to Mr. Joseph Adang took place June 20th.

The table presented a very lovely picture in its color scheme and menu appointments of pink and white with a basket of pink peonies and orange blossoms forming the center piece. A corsage marked the place of the guest of honor. Little pink baskets with dainty place cards were at each guest's place. Miss Helen Miller, acting as toastmistress, called on Miss Marcella Schulte for a toast, which was fine.

After the luncheon music and dancing were enjoyed by the following guests: The Misses Gladys Lynch, Gertrude Meyer, Evelyn Halter, Anna Summers, Marie Miller, Marcella Schulte, Lenora Schoppman, Inez Jockel, Helen Miller, Sarah Harris, Laura Merz, Emma Mendel, Hilda Kaade, Tressie Singrey, Edna Puff, Irene Stier, Gertrude Breimyer, Helen Baron, Gertrude Paul, Lucinda Winkleman, Grace Brown, Dorothy Adams, Beatrice Earnheat and the Mesdames Nina McGovern, Anna Amstutz, Jessie Hall, Elsie Winklebleck and Hilda Hattendorf.

Building No. 19-4

During the last month the following marriages took place in Building 19-4:

Hope Praugh and Martin Hatfield were married in this city.

Irene Warman married Kenneth Hale in Toledo, Ohio.

Dorothy Heidbrink was married in Hillsdale, Michigan, to Earl Rump.

Leona Schieman went to Chicago, Illinois, to be married to Waldo Sundsmo.

Edna Smeader and August Herbst, both of Building 19-4, were married in this city.

Leona Morton was married to Orla Herman in this city.

Cynthia LaRue, of Building 19-4, left June 18th to become the bride of Mr. Tosey, of Vau Wert, Ohio.

Miscellaneous Notes

Miss Effie Sexton, of Building 4-5, is spending two weeks at Travis City, Michigan.

Miss Lillian Steup, who works in Building 4-5, is attending the Industrial Conference at Dewey Lake, Dowagiac, Michigan.

Miss Anna Keller is spending her vacation with her relatives at South Whitley, Indiana. She is employed in Building 4-5.

Miss Florence Lindeman of the Superintendent's Department, took a week's vacation the week of June 9th. She also spent the week-end of June 21st and 22nd in Detroit and Canada.

Miss Bessie Mullen, a data clerk in the Transformer Department, went on her vacation the weeks of June 16th and 23rd.

Miss Lola Beard, valuation clerk in the Data Department, is back at work after a week's illness.

Miss Mary Harlan, of Building 18-4, recently underwent a tonsil operation at the St. Joseph Hospital.

Miss Luella Bullerman, of Mr. Hockett's office, has been off for two weeks on account of the illness of her mother.

Miss Josephine Zimmerman was off the weeks of June 16th and 23rd on account of illness.

The new girls engaged for Miss Zimmerman's training school are as follows: The Misses Edna Nieber, Helen Wambaugh, Mabel Wyss, Aloysia Hilger, Marcella Steiger, Marie Leeuw, Marie Stock, Anna Bird, Marcella Kirkhoff, Gladys Wearda, Pauline Snyder, Velma Arnold and Hildegard Hormel.

Miss Lura Hacker resigned her position in the Publication Department and Works' Library on June 21st to go to Kalamazoo, Michigan, where she will continue her studies at the Western State Normal School. She has been replaced by Miss Velma Arnold.

Miss Eva Elsey, Mr. A. F. Welch's stenographer, will leave her position on July 19th to return to her home about 100 miles northwest of Minneapolis, Minnesota. Miss Elsey has been working here a little over a year.

KEEPING FIT CONTEST

Standing of Major Departments, June 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	1.83	66.60
2. Meter Department.....	18.15	6.23	34.17
3. Fractional HP Motor.....	22.25	18.35	17.50
4. Decatur	6.81	7.34	-7.78
5. Building and Maintenance.....	11.25	12.85	-14.20
6. Contributing Departments.....	20.12	24.78	-23.20
7. Induction Motor.....	4.78	6.42	-34.30
8. Transformer	11.25	16.51	-46.75

ATHLETICS

G-E A. A.

City Industrial Baseball League

The G. E. A. A. team in the City Industrial Baseball League met a stumbling block in the Western Gas team in their first meeting. The green and white started off well, scoring three runs in the third inning, but the gasmen romped around the bases in the sixth inning, and when the dust had cleared away six runs had crossed the plate. A G. E. rally in the same inning fell one run short of a tie and the game ended, 6-5. Elmer Hamilton pitched a wonderful game and deserved to win, but didn't get the "breaks."

In the third game of the season the G. E. nine scored a 3-1 win over Wayne Tank. Due to unfavorable weather conditions the G. E. team was forced to start the game with a badly shaken up team. "Rip" Watt was called in from the sunfield to do the pitching, and while hit oftener than his opponent, kept his hits well scattered.

Rain has prevented several games being played. The schedule was moved forward as a result of these postponements. In the future, however, unplayed games will be played later in the season. The standing of the league June 20 was as follows:

Team	Won	Lost	Pct.
Western Gas.....	2	0	1.000
General Electric.....	2	1	.666
Wayne Tank.....	1	1	.500
Pennsylvania.....	0	2	.000
Tokheim.....	0	1	.000

Y. M. C. A. Amateur Baseball League

The G. E. team in the Y. M. C. A. League has not fared very well, losing three games to date to Pennsylvania, Bowlers and Dudlo, which puts our team in a tie for the cellar position. The Bowser game was a tough one to

lose, a seesaw affair, which ended up 8-7 in favor of Bowlers. G. E. won from Wayne Tank, 9-4, and lost to Pennsylvania by the same score. The Dudlo game was 14-6 in favor of Dudlo. The standing of the league June 20 was as follows:

Team	Won	Lost	Pct.
Pennsylvania.....	2	0	1.000
Bowlers.....	2	1	.666
Dudlo.....	2	1	.666
General Electric.....	1	3	.225
Wayne Tank.....	1	3	.225

Intersectional Baseball League

An Intersectional Baseball League has been organized again this year, composed of eight teams as follows: Apprentices, Rogers manager; Building 6, C. L. Wysong manager; Main Office, J. S. Dickerson manager; Meter Department, J. W. Wagner manager; Small Motor Engineers, Geo. Bauer manager; Small Motor Department, Daley manager; Tank Shop, Mac McCleary manager; Transformer Department, E. J. Schurenberg manager. Games are played on Monday and Wednesday evenings of each week at the Taylor street grounds immediately after work. The intersectional leagues have proven very popular and while they haven't the advantage of daylight savings, five innings are usually played.

Girls' Baseball League

The G. E. Girls have played one game in the Girls' Baseball League. The Box Co. and Triangle teams have withdrawn from the league, leaving four teams to fight it out. The games are played on Monday and Wednesday evenings of each week, and the girls would appreciate some support from the fans. Watch the bulletin boards for the announcement of the games. The G. E. Girls are a loyal bunch and deserve your support. In their first game the G. E. Girls defeated the Wayne Tank, 24-4. The standing of the league, June 20, was as follows:

Team	Won	Lost	Pct.
Wayne Knit.....	2	0	1.000
General Electric.....	1	0	1.000
B. T. A. A.....	1	1	.500
Wayne Tank.....	0	3	.000

Notes

We've had an awful time trying to make people believe it was our own "Rip" Watt who held the Wayne Tank club to one measly run. "Rip," of the red bandanna fame, has been playing the sun field for so long we can hardly blame the unbelievers.

It the last two games "Joe" Henry has chalked up two bingles each to his credit. The red head has been meeting the ball on the nose.

The G. E. team in the Y. M. C. A. League is strengthening up their team with the hopes of getting out of the cellar position. The amateur teams' pitchers seem to be having trouble keeping the ball away from their opponents' bats.

Elmer Hamilton, in addition to being a pitcher of note, sure wields a wicked bat. Hitting with men on base seems to be Elmer's specialty. Two of the three runs scored against the Wayne Tank can be accounted for in this manner.

In the Western Gas game we scored three runs in the third inning and Western scored six in the sixth. In the Wayne Tank game the tankmen scored 1 in the first and we scored 3 in the third. Another case of "he who laughs last laughs best."

Consideration was given to the proposition of providing facilities for tennis on the Taylor street grounds, but as the courts were in such bad condition and the cost of putting them in shape would be considerable the proposition was dropped.

Four young men of this Works are among those who are now in attendance at the Citizens' Military Training Camp at Camp Knox. The boys left Fort Wayne via the Pennsylvania on the morning of July 2nd and expected to arrive in camp some time that afternoon. The camp is located in the hills of Kentucky about thirty-five miles south of Louisville. George Clouse of the Distribution Department, Joseph C. Fitzgerald, Howard M. Fletter and J. Edward Kallmyer, all of the Apprentice Department, are the representatives from our plant.

Where does
the ice
come from?



One advantage of a big organization is that it includes men who have specialized along many different lines. Thus, no matter what your electrical problem may be, there is someone among the 80,000 men and women of the General Electric Company who *knows* and is at your service.

Ice used to come from lakes and ponds—sometimes clean and sometimes not.

Today it comes from an artificial ice plant where electric hoists and compressors are operated by G-E motors. Jack Frost worked cheaply, but so does the G-E motor; and *it* works every day.

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines



Transportation

Many of our employees well remember the days when all material to be moved in our shop was loaded onto the old hand trucks. Some, no doubt, will recall that it took a lot of pushing to move heavy material or parts of the big machines in this way. How different it is today! The heavy as well as the lighter loads are picked up and hurried away on the little, yet stout electric motor driven industrial trucks.

It was in 1912 that our Company purchased the first of its motor driven trucks. There were three of them in the first equipment; two road electrics and one industrial electric for use on the floors of the plant. A year later additional trucks were bought and the Transportation Department was organized, with George Harkenrider in charge. Today, by conservative estimate, the department handles two thousand tons of freight as an average day's work. Mr. Harkenrider has an assistant, W. D. Reed; a clerk, Earl Laughlin, and the big fleet of trucks with their drivers as shown on our cover view.

Yet even with this yardful of equipment and complement of men, it requires careful planning to handle all the traffic in and about the plant. By the system established, everything to be moved must be accompanied by its transportation tag. This describes the material, tells where it is to go, and from whence it is received. The truckman is responsible for proper delivery and must report the material delivered. A number of the trucks are assigned to serve definite sections of the plant. Should a delivery take such a truck outside its special territory the driver calls the dispatching clerk at headquarters to see if there is not some material that he may carry on the return trip.

The little industrial trucks are not licensed to carry loads across the public streets, therefore freight stations are arranged in both the east and west sections of the plant at which the industrial trucks leave and receive their loads. One of the road trucks carries the loads across Broadway, and thus the inconvenience of the public street is overcome.

With the best laid plans, however, the proper functioning of the transportation system rests largely in the hands of the men who drive the trucks. Anyone who has seen the business-like way in which these men handle their trucks, the speed with which they load and are gone on their way, may realize that the handling of the thousands of tons of material daily is a job done by real men.

FORT WAYNE WORKS NEWS

Vol. 8

AUGUST, 1924

No. 8

CAMP MANUFACTURING

Typical of the Other Camps Held at Association Island Which Representatives of This Works Attended.

We stood on the platform of the little railroad station at Sacketts Harbor, N. Y., waiting for the train which would carry us back to our tasks in the various G-E plants. Camp Manufacturing had officially closed. Some two hundred of us had clambered into the motorboats and made the trip from the island to the mainland—a pleasant trip with Lake Ontario at its best.

I struck up a conversation with a foreman from one of the works, opening it with the conventional remark, "It's been a glorious four days."

"Yes," he replied, "it's been wonderful. I didn't believe that I could forget the problems and worry of the shop as completely as I forgot them while at camp."

To me it seems that this man had obtained the best there is to be had from such gatherings. He had played and worked. He had forgotten his own problems while he listened to the problems of others. And the ideas which he had obtained, while his brain was cleared of the routine problems which he faces from day to day in the shop, will help him to solve these difficulties of his.

Camp Manufacturing, like the other camps held each year at Association Island, was neither all work, nor all play. Here company officials, the president, vice-presidents, and Works managers met with superintendents, foremen and assistant foremen. Here men and management worked and played together. They discussed their problems frankly without any attempt at camouflage. Papers were read and discussed, ideas were exchanged, and all had an opportunity to express their views.

The outstanding feature of the meetings, aside from the heated discussion caused

by practically all papers, was the first of two talks delivered by President Gerard Swope—a talk which brought prolonged cheers from those attending the meeting.

At this time President Swope reasserted his belief that low manufacturing costs are not incompatible with high wages. The General Electric Company can, and wants, to pay good wages, Mr. Swope stated. It is the Company's wish to deal fairly with all employees. But in return for these wages the Company must get increased production without sacrificing quality. Increased production, brought about both by higher efficiency of men and machines, means lower costs, which are necessary if we are to meet competition.

Mr. Swope stressed the fact that competition is keen in the electrical industry, pointing out that during 1923 the General Electric Company received but approximately twenty-three per cent of the available business in the electrical field in which it competes. This, he declares, excludes the business in lines in which the



FORT WAYNE MEN AT CAMP MANUFACTURING

E. W. Lankenau, F. S. Walburn, W. J. Hockett, P. C. Morganthaler, E. A. Keegan, C. H. Matson, C. A. Borchert, E. A. Barnes, A. M. Snodgrass, W. S. Goll, C. M. Schnieders, Dr. J. W. Garton, E. E. Miles.



**G. E. EMMONS, VICE-PRES., AND
GERARD SWOPE, PRES., AT CAMP
MANUFACTURING**

Company does not compete with other manufacturers of electrical goods.

Not only Mr. Swope, but many others, stressed the importance of gaining the confidence of the men on the job. Much time was given to discussion of ways and means of making the working men better satisfied through improved working conditions, making the earning of high wages possible, and helping workers to fit themselves for their tasks. At the banquet, held the night before the camp closed, Whiting Williams was the speaker of the evening. Mr. Williams, who gave up a position as vice-president of a large steel concern, to work with and study workers all over the world, told of his experiences in a straightforward and interesting manner. Talking for more than an hour, he held his audience's attention throughout his entire speech. He expressed the belief that such a gathering as Camp Manufacturing would go far to bring about the needed understanding between men and management.

The camp was divided into two teams, the Bulls and the Bears, which competed in the various sports. For the second time the Bears were the winners in the sports, getting a total of fourteen points as against the Bulls' thirteen.

**G-E A. A. Social,
McCulloch Park,
August 8th**

THEIR MONEY WORKING FOR THEM

Though June 2nd was not pay day, 1,303 employees at Fort Wayne were paid approximately \$14,000 on that day. This represented their return for the six months' period ended June 1st, on savings which they had put to work by investing in G. E. Employees' Securities Corporation Bonds. Of this sum \$6,773.16 was paid by check to 744 employees. The remaining \$7,710.94 went back to work by being credited to the interest accounts of 559 bondholders.

Fort Wayne employees were not the only ones to receive interest checks or credits at this time. There are in all 23,281 employees who have paid in full for a total of \$8,213,280 worth of these bonds and they received interest amounting to \$301,074.64. The following tabulation shows how this was divided:

	HOLDERS		
	Number	Amount	Interest
Schenectady	9,177	\$3,566,170	\$130,829.94
Lynn (River)	2,570	722,300	26,771.07
West Lynn	923	237,550	8,946.19
Pittsfield	1,829	610,850	22,299.58
Erie	1,159	396,760	14,760.66
Fort Wayne	1,303	390,940	14,484.10
Edison Lamp	1,272	405,550	14,890.10
National Lamp	1,892	518,870	20,570.29
Other Works	1,057	328,430	11,754.93
District Offices	1,791	973,750	33,587.34
Others	308	72,110	2,280.44
Total	23,281	\$8,213,280	\$301,074.64

In addition to the foregoing, interest payments due on the first of March, April, and May on Employees' Investment bonds aggregated \$167,363, the face value of



**J. L. MOON AS A "COP" AT CAMP
ENGINEERING, ASSOCIATION
ISLAND**

such bonds being \$4,781,850. The combined total of all bonds of both types paid for in full by employees is \$13,013,130. These figures do not include approximately \$4,000,000 worth of G. E. Employees' Securities Corporation bonds now being purchased on the installment plan.

SISTER STATION TO WGY AND KGO TO BE ERECTED AT DENVER

With the beginning of work on the third General Electric broadcasting station, sister to WGY and KGO, the last link in the Company's nation girdling system of three stations has been started. The new station is located in Denver, Colo., and its voice will be heard on the air by late fall or early winter.

Full advantage of the experience gained in constructing two broadcasting plants will be taken in the erection of the Denver station, which will embody every technical advance proved by extended use. Like the Oakland station, the new plant will be housed in a building especially designed for it.

Four miles from the heart of Denver, on the main road east, the new station will be located. It will stand on a plot 250 feet x 300 feet. The studio building will be 47 feet x 58 feet. The first floor will be divided into a reception room, offices for executives, and the correspondence and program forces. On the second floor will be two studios, a waiting room, and a control room for the station's amplifying equipment.

Between the two studios, one large, the other smaller, will be the control room. The larger studio will accommodate musical organizations such as bands and choruses. The two studios make it possible to go from one number on a program to the next without other halt than that necessary to make announcements.

The powerhouse is to be a one-story building directly behind, and connected to, the studio. Here will be located the motor-generator and power rooms. Eleven motor-generator sets will be installed in the motor-generator section. These will furnish current for filament lighting, plate current for the power amplifier tubes, generator field excitation and grid bias potentials.

Unlike WGY, where the towers are located on the top of a building a quarter of a mile from the control room, or KGO, where the towers are built on the ground also a quarter of a mile from the control room and studio, the towers of the Denver studio will be built on the ground one on each side of the studio building. The antenna wires will be directly above the powerhouse. The towers will be of steel, 150 feet high and triangular in shape. They will support a three-wire, multiple tuned antenna.

Plans for the new station have been prepared under the supervision of Martin P. Rice, manager of broadcasting. H. D. Randall, Denver manager, will have direct supervision of the station.

NOTE: The transformers and reactors for this station are being produced at this Works.

ALPHA PHI CLUB

Outing Along St. Joe

The Alpha Phi Club had an outing at the Muncie cottage along the St. Joe river Saturday afternoon, June 28th.

The club obtained trucks to take the members out to the cottage. About thirty-five people went. Although the weather had been and threatened to continue to be very damp, nevertheless the grounds proved to be reasonably dry, and everyone, delighted at this discovery, set out to have a real good time.

Mr. E. J. Kimm was the official photographer. The accompanying pictures are a few of the interesting "shots" he got.

The location of the cottage is in a rather secluded place, and it permitted the girls and boys to throw off their company manners. There was a canoe and plenty of people went in bathing. There were fields in which they could and did play baseball and other games. There were woods to play hide-and-seek in. There was plenty of time to fish in—if anyone could quiet down enough not to scare the fish away. And then there was a delicious dinner. Everyone was rather quiet after dinner, due to the lack of enough energy to digest



EDNA SARRAZEN, CHAIRMAN ENTERTAINMENT COMMITTEE

the quantity of food they had eaten and at the same time get out and play. But they were all happy, and they all got back

safe and sound in spite of a few hair-raising escapes.

Barn Dance

On July 16th at 7:30 o'clock 150 members and guests of the Alpha Phi Club met at the General Electric Company and left in machines for Paylor's barn, five miles south of Fort Wayne and about a mile off the Decatur Road. The location was ideal. A big barn set against the side of a hill and in the midst of fields bathed in moonlight, whose trees lent the silent, mysterious shadows which give majesty and beauty to the night and romance to the world, was the scene of the dance. The peace of this picture was almost ruined when, during a circular two-step, the men rushed at the girls so fast that one young lady was only saved from smashing from the second story right into the quietude of the night by the fortunate contact of her foot with someone's hand, just after her head had disappeared from sight.

The barn, all lit up with electric lights, with its serpentine decorations forming large webs in the reckless abandon of their hangings, had country atmosphere added to it by the big thresher shoved back out of the way on one side of the barn, by the rough dirt road passing it at the edge of the field, to say nothing of the black and white kitty.



ALPHA-PHI OUTING AT MUNCIE COTTAGE ON ST. JOE RIVER

A "hick" orchestra played "Turkey in the Straw," etc., and Ed Horstman entertained the crowd with a clog dance.

Mr. and Mrs. E. A. Barnes were among the guests present. Four of the official chaperons, Mr. and Mrs. O. L. Weitzman and Mr. and Mrs. W. H. Fritz, were also there.

FRACTIONAL HORSEPOWER MOTOR ENGINEERING HOLD FAMILY PICNIC

The members of the Fractional Horsepower Motor Engineering Department and their families held a picnic Saturday, July 12th, in Swinney park. Contrary to custom, it didn't rain, and so there was a large turnout, there being about fifty people present. The afternoon was spent in playing ball, pitching horseshoes, etc. Mr. Stephenson and his little daughter, Raon, furnished some delightful entertainment. Raon, although only nine months old, can perform feats that most people who are much older are unable to do. For instance, her dad holds her by the feet and she will stiffen out and turn around until she is standing on her feet, then her dad will give her a push and without relaxing she will return to her former position with her head toward the ground. A delightful picnic supper, which was prepared by Mr. J. Sivits, of the Works Restaurant, was served at 6 o'clock. The Misses Gladys Haiber and Magdalen Welch did the serving. The meal was enjoyed very much by everyone present except Mr. Rapp, who with some assistance, "spilled the beans." Nearly all had a "losing good time." Mr. George lost his pocketbook, Mr. Young lost his handkerchief, and Mr. Naden lost his coat. The two former lost and found their articles, but the last never found his coat and he is very anxious to have it back again. Therefore, he says that if anyone can possibly give him some information concerning it, he will be very glad to get it.

ELECTRO-TECHNIC CLUB TO HOLD BIG EVENT IN TRIER'S PARK

**E. C. Foley to Head Entertainment
Committee—I H Freeman to Head
Membership Drive**

The Electro-Technic Club is ready to start the biggest and best season of its history. E. C. Foley, of the Apparatus Production Department, has been appointed chairman of the Entertainment Committee, and as the first event of the season has arranged one of the biggest affairs ever held by the club.

Mr. Foley has made arrangements with Trier's amusement park whereby the park will be turned over to the Electro-Technic Club on Saturday, August 23rd. There will be free athletic events, ball games, etc., and a free dancing matinee will be given.

It is probable that a bathing beauty con-

test will be held and prizes given to the most attractive bathing beauty. It is expected that this event will be one of the features of the afternoon's entertainment. Some difficulty will probably be experienced in securing judges for the contest any any member wishing to be a judge in this contest is urged to send his name to Mr. Foley immediately. Mack Sennett will in all probability have a scout present.

The daylight events will be followed by a concert by the G-E band, probably from 6:00 p. m. to 8:00 p. m. or later.

It is expected that a program will be arranged that will keep everyone entertained from 1:30 p. m. to 10:00 p. m.

The annual membership drive of the Electro-Technic Club will be held early in August and will be in charge of I. H. Freeman. Mr. Freeman expects to put the drive across and get two thousand members out of the plant. The dues are only \$1.00 per year and the first event alone will be well worth the entire amount. When you are solicited for membership the best thing to do is to hand over your dollar without any protest, because you will certainly be purchasing the biggest dollar's worth of amusement you ever saw in your life.

APPRENTICE ALUMNI ASSOCIATION

A special meeting of the Apprentice Alumni Association was held in Building 16-2, on Wednesday evening, June 4th, at which time Raymond Kierspe, Ralph Clark, Anthony Hattendorf and Paul Weitzman were initiated into the mysteries of our Association. Welcome to our midst, brothers! The color committee, in charge of Virgil Asher, submitted its choice of colors for the Association, which were unanimously accepted. The colors are blue and gold. After the meeting a lunch was served and the remainder of the evening was spent playing cards and smoking.

Saturday afternoon, June 7th, the members of the Association left McCulloch park at 1:30 o'clock to go to Clear Lake, where they held their first annual Stag Outing. The trip was made by automobile. Many land and water events were on the program. The return was made on Sunday evening. All those who missed this outing will have an opportunity to go again in September.

On Tuesday evening, July 15th, the regular quarterly business meeting and banquet was held in Building 16-2. After the banquet short talks were given by Messrs. E. A. Barnes, W. J. Hockett and O. L. Weitzman. Henry Wittber, a recent graduate of the Apprentice School, was taken into the Association. Joe Miles started a story telling contest which resulted in a tie. Kenneth Wells, an employee of the plant, entertained with his radio set. It was a pleasure to listen to Karl Geller, vice-president of the Association, singing from station WDBV.

Sometime during the month of August a picnic will be held for all members and

their wives or sweethearts. The time and place have not been decided definitely, but will be announced later.

In September another Stag Outing will be on the program at one of the nearby lakes.

AWARDS ON SUGGESTIONS

The Committee on Suggestions announces the following awards made on suggestions up to July 29th, 1924:

Mr. C. M. Witham, an award of \$10.00 on a suggestion regarding contactor for small tension device on Universal Winding Machine. This new contactor will save a great deal of trouble on the part of the winder and will produce better coils. Mr. Witham is an employee in the Meter Department, Building 19-5.

Mr. Ed H. Dunlap, an award of \$5.00 on a suggestion regarding moving door of tool coop in Building 4-3 to north side of coop. This door was directly in the main aisle where there was danger of a person getting hit by a truck. According to the layout of the coop it was impractical to change this door, but it was decided to move the tool coop a few feet to the west. While Mr. Dunlap's suggestion was not adopted as he wanted it, it was the means of bringing about the change. Mr. Dunlap is an employee of the Small Motor Inspection Department, Building 4-3.

ECONOMY SUGGESTION

Although small in size and value as a unit, paper clips and pins, when used carelessly and allowed to be thrown around promiscuously, are a source of monetary loss to the Company.

A recent check on this waste in one section of the office alone reveals a salvage of approximately 1,500 clips and probably half as many pins in a short period of time.

"IF YOU SEE A CLIP OR PIN ON THE FLOOR PICK IT UP."

To say the least it is an extremely dangerous practice to throw a clip or pin at one of your fellow workers, for should this person suddenly turn his head, it might result in the permanent injury or loss of an eye. Remember always, the Company's slogan, "Safety First." While practicing this, also REMEMBER ECONOMY.

INSULATION DEPARTMENT PICNICS AT BLUE LAKE

The employees of the Insulation Department, Building 10, enjoyed a picnic at Blue Lake on Wednesday evening, July 19th. After eating lunch, the crowd scattered to amuse themselves at swimming and boating. Later they all met at the dance hall and after a few dances, returned to Fort Wayne.

We would hate to live in a big house and have to hunt for our pipe in every room



HENRY WITTBER

G. E. SQUARES

The regular meeting of the G-E Squares was held on July 1st. A short business meeting was followed by a program of eats, songs and a general good time. While our card sharks amused themselves on the felt-covered table, Joe Eitman displayed his musical and electrical ability by operating the player piano.

Several new men were present at the meeting and several more have taken up their duties since, so that now we have the following new college men in the plant: Messrs. R. A. Wilkins, J. W. Everett, C. E. Walters and Kenneth Hayette from Purdue; Harmon Woerner from Rose Polytech; E. W. Doeher from Illinois; W. E. Winterhalter, G. A. Griffin and C. V. Poling from Ohio State; Hoyt Cass from Minnesota; L. S. Brannon and W. R. Carlyon from Wisconsin; Edgar Misegades and C. J. Lidick from Kansas; Sydney Shaffmaster from Michigan Agricultural, and Shelley from California.

In the midst of all our joy and anticipation of a big year comes a severe set-back. Mr. S. H. Ruggles, who is well known and well liked around Fort Wayne that words seem unnecessary, has left us. After a short vacation, he will take up his new work as assistant chief engineer of the Beman-Thomas Co., accountants, of Columbus, Ohio. Needless to say, his absence leaves a void that will be extremely hard to fill.

A tennis tournament that will take in all the tennis sharks in the Squares is being arranged by our Athletic Director, C. E. Bauman. More about this will appear later.

The annual banquet for the purpose of getting better acquainted with the new men will be held August 12th. Final plans for this will be made at our next regular meeting to be held August 5th.

TWO APPRENTICES FINISHED COURSE IN JUNE

Henry Wittber, a Fort Wayne boy, completed the four-year Machinist and Toolmaker course June 16th. Because he did good work, both in the shop and in the classroom, he was given a one hundred dollar bonus and also three months' credit on his time. Before taking up the Apprentice course, Mr. Wittber had attended the Fort Wayne Public Grade Schools and also had had two years of Vocational School work. He has taken an active part in the Apprentice Association, having served on almost all of the various committees. At present he is working for Mr. Frank Hoffman, in the Tool room, Building 26-5.

Roy Bracht, another Fort Wayne boy, completed the Machinist and Toolmaker course June 28th, and also received the one hundred dollar bonus and three months' credit on his time. Mr. Bracht attended the St. Patrick's school, and from there he went to work for the Wabash railroad at Decatur, Illinois, as time clerk. He held this position for two and a half years and then returned to Fort Wayne to enroll in the Apprentice Course. Mr. Bracht has held various offices in the Apprentice Association and at the time of finishing his course was secretary. He is now working for Mr. Ray Renfrew in the Tool Repair Department, Building 4-2.

WIRE AND INSULATION DEPARTMENT HOLD OUTING

The Wire and Insulation Department, Building 17-3, held its third annual outing at Clear Lake on July 11th to 13th, inclusive. The boys arrived at the lake about 11:00 p. m. and all promptly turned in for a good night's rest as preparation for some strenuous fishing scheduled for the next forenoon. After an early breakfast the fishermen were out. At an appointed hour all returned, and Oberlin, with his helpers, were soon busy preparing the heaps of fish. Bass, pike, blue gills, catfish, perch, all were represented in the large platters full of fried fish soon set before the hungry men.

Then came the discussions as to whom had caught the largest fish. Finally the boys decided that their foreman, Harry Hire, was the real angler as he had brought in the largest bass. Second honors were never decided, as there were too many of the boys who claimed to be close seconds.

There was lots of sport; on the water, in the water and on the shore, but it is best to get the stories from the men who were there. In order that you may know whom to ask we will give you their names. They are: H. E. Hire, Herbert Schearer, Guy Oberlin, Glen Greek, Phillip Ormiston, John Quinn, Harry Beltz, Amel Beck, Jess Easterday, Cletus Lothamer, William Meyers, Isador Best, Ream Huffman, Clint Thompson, William Gallmeyer, Elmer Hamilton, and Alfred Nicholson.



ROY BRACHT

QUARTER CENTURY CLUB

The Quarter Century Club held its Annual Outing Saturday, July 19th at the Elks' Country Club. Fifty-nine of the ninety-four members in the Club were present at this ninth outing and it was noted with interest that M. S. Willson, Richard Muhlenbruck, and Fred Miller, three Quarter Century Club members who are on the retired list, were present.

The party left the Works at 9:45 Saturday morning in the private automobiles of the members. On arriving at the Country Club grounds some of the less strenuous athletic games were indulged in. Horseshoe and baseball games featured the hours before dinner. In horseshoes it is thought that the championship lies between the Messrs. Henry Lepper, Henry Aumann, George Harkenrider and Billy Wehrs; in the baseball game it seems the teams bore no names and as the names of the captains seem to have been forgotten, we can think of no way of referring to the teams other than by the names of the pitchers: William Melching, and Nelson Bucher. Rumor has it that Melching had a little the better of it in the control of the curves, but it remains for Gus Kaiser, who acted as both umpire and outfielder, to say which team won.

At the noon hour the men gathered in the Club House for a fine chicken dinner and following this went outside to the shade of some large trees, where a combined business and social meeting was held.

Mr. Barnes, president of the local Club, introduced four new members, namely, Peter M. Brown, E. L. Simpson, George Harkenrider, and C. D. Witte. Then the president read the names of Alex Shlotter, Charles Raquett and William Donnell, members who had died since the last Annual Outing. The roll was then taken and fifty-nine members responded to their names.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll Chairman
E. A. Barnes R. F. Harding

X. J. Divens Editor
Alvin Konow Distribution

SECTION EDITORS

W. J. Hockett Industrial Service
R. F. Smith Safety
Wade Reed (G-E A. A.) Athletics
Dorothy Hormel Girls' Department
Verena Miller Decatur Works

REPORTORIAL STAFF

S. C. Newlin Electro-Technic Club
LaVera Vail Elex Club
Carrol Blincoe Apprentice Association
Russell Haruff Foreman's Association
Fred Duryee Volunteer Fire Department
Perry Shober Band
J. E. Hall Quarter Century Club
K. Szink Mutual Benefit Association
E. G. Stock Apprentice Alumni Association
J. C. Porter G-E Squares
Josephine Zimmerman Absent Employees

Vol. 8 August, 1924 No. 8

THRIFT

"Thrift is not only saving; thrift is mostly spending; spending for insurance; spending for a home; spending for the education of our children; spending for the happiness, contentment and independence at old age.

"Thrift is deferred spending for the purpose of being able to spend more later.

*"W. A. SCHNEDLER.
"Western Electric News."*

The thoughts expressed by Mr. Schnedler are interesting. For example: suppose we spend \$100.00 for something that will afford us pleasure at the time, but is really not a necessity, adds nothing to our net worth; that money is gone and we have not been thrifty. However, suppose we spend \$100.00 for something that will earn an income for us, something that is productive—a good cow that will supply milk to the household, with a surplus to sell to the neighbors; a flock of chickens which will provide us with eggs, and a surplus for sale; an orchard of young trees that will give us fruit for market. We have invested in capital goods, our money has gone into deferred production. We are content to wait for our return, and from that return we expect to have more later. Of course, we run the risk that the cow may die; the chickens may be killed; the trees may not bear fruit; but with reasonable care and attention, we count on a crop.

Suppose by our labor we buy a bond. This is one step removed from an investment in capital goods, for we have turned our money over to someone else to invest in capital goods, that is, in factory building or tools, in railroad equipment, power-

house or transmission lines; any of these things that go to produce goods for consumption, or equipment for transportation or for power. Our money we have loaned on a rental basis. The user is to pay us part of the earnings that he receives. We are content to wait for our return; we have supported deferred production.

Suppose our \$100.00 has gone into G. E. Employees' Securities Corporation bonds. Let us see how we are paid for waiting. Here's our boy or girl, eight or ten years old. We want the child to have a better opportunity than we had; we want something available in ten or fifteen years for the education or the betterment of that child. How can we work it?

As long as we continue in the employ of the General Electric Company, our bonds are earning 8 per cent per annum. If we operate under the Interest Order, the earnings received from the bond will automatically earn 6 per cent per annum, until \$10.00 or a multiple of \$10.00 has accumulated, when that automatically goes into the 8 per cent class. Suppose we set aside the \$100.00 bond and file an interest order, as of June 1st, 1924 (the interest date). On December 1st our \$100.00 has earned \$4.00, which we have ordered paid to our interest account. In the next six months our bond has earned another \$4.00, and our interest order has earned 12 cents, so that our total accumulation is \$108.12 in the first year. In the next six months we have gained another \$4.00 on the bond, and 24 cents on the interest account, so that our total accumulation is \$112.36. By the automatic operation of our interest order a new \$10.00 bond is delivered to us, giving us \$110.00 in bonds and \$2.36 remaining in the interest account. Our bonds now pay us \$4.00 at the end of the next six months, and the \$2.36 in the interest account earns 7 per cent additional. Thus we have accumulated \$116.83 at the end of the second year.

By the end of nine years, or by June 1st, 1933, our account into which we put the original \$100.00 and to which we have not added one penny from our pockets, stands at \$200.00 in bonds, earning 8 per cent per annum, and there is somewhat over a dollar extra in the interest account.

Our child who was eight or ten years old in 1924, is now seventeen or nineteen years old in 1933, and paralleling the growth of the child our \$100.00 has grown too, and we have \$200.00 available for education or for our daughter's wedding or to help the boy get started in business. Rather thrifty, what do you say? Our resources have grown with the growth of the children, or with the passing of time.

Save your bonds and watch them grow., Help them grow by an interest order.

BOND COMMITTEE.

Band Concert and Social,
McCulloch Park,
August 8th

GROUP LIFE INSURANCE

Deaths Reported for June, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
John Hanks	Mar. 2,	Wife and Children
Chas. K. Stillman	May 25,	Wife
Johnston Northrop	May 18,	Mother
Dominick Varia	May 23,	Nephew
Wm. B. Shanley	June 7,	Wife
Luigi Renzi	June 8,	Wife
Myron Hastings	June 11,	Wife
Joseph Dominella	June 13,	Wife
Owen De Vanney	June 17,	Daughter
John De Loyd	June 19,	Brother
Thompson B. Crane	June 3,	Wife
Robert Russel	June 18,	Wife
<i>River Works</i>		
Thomas Nicholson	May 3,	Wife
Nathaniel Coombs	May 19,	Mother
Chas. Berson	June 6,	Wife
Wilfred Choiniere	June 13,	Father
<i>West Lynn Works</i>		
Mildred S. Barrett	May 22,	Brother
<i>Pittsfield</i>		
Louis G. Beuth	June 20,	Wife
<i>Erie</i>		
Frank F. Fenno	May 22,	Wife
John Kaltenhauser	June 9,	Wife
<i>Bloomfield</i>		
Pellegrino Oliviero	May 30,	Wife
<i>New Kensington</i>		
Wm. T. Ruete	June 7,	Wife
<i>Oakland California</i>		
Jas. E. Munchester	Nov. 25, 1923,	Estate
Total—23 deaths		\$25,850

NEWS ABOUT THE COMPANY AND ITS ACTIVITIES

Decrease in Business

Orders received by the General Electric Company for the six months ending June 30th, total \$144,707,887, Gerard Swope, president, recently announced.

This is a decrease of twelve per cent compared with the corresponding period in 1923, when orders totaled \$164,263,755.

Orders for April, May and June, 1924, totaled \$71,219,984, a decrease of fifteen per cent compared with the same three months of 1923.

To Build Experiment Radio Station

Announcement that the Company has purchased a fifty-four-acre tract of land a short distance from Schenectady to be the site of the new \$150,000 experimental radio station has been recently made.

The plans for the new station have not been made public yet, but it is to be one of the largest and best equipped experimental broadcasting stations in the world.

The major portion of the experimental work in broadcasting of the Company's radio engineers is now carried on through WGY. Upon completion of the new project this work will be transferred there, where it will take on a broader scope since the station is to be especially designed and equipped for this purpose.

Turbine Engineer Dies

Wilfred Campbell, one of the leading turbine engineers of the country, died at Schenectady on July 7th, as the result of complications following an appendicitis operation.

Mr. Campbell's contribution to turbine research and design brought him a reward from the Charles A. Coffin Foundation last December. One of his greatest accomplishments was his recent successful inves-

tigation of the protection of steam turbine disk wheels from axial vibration. The results of this long and fruitful research were presented before the Society of Mechanical Engineers on May 26th, and will remain a monument to his energy and ability.

Since 1908 Mr. Campbell had been associated with the General Electric Company. He was born in Manchester, England, in 1884, and came to this country in 1907. He had been an engineer in the turbine department since 1919.

The Night Air Mail a Reality

The aviators' great white way, originally stretching from Chicago to Cheyenne, Wyo., and now extending from Cleveland to Rock Springs, Mont., turns night into day for the flyers much as a city's great white way turns night into day for the pleasure-seekers.

Trial flights, to test the feasibility of a coast-to-coast air mail service which would know no stop because of darkness, were conducted by the Post Office Department less than a year ago. So successful were these trials that the service was instituted and today aerial "postmen" carry your letter from New York to San Francisco in thirty-three hours.

Sixty General Electric searchlights, rated at 2,500,000 candlepower each, mark the emergency landing fields which are located twenty-five miles apart along the night route of flight. Mounted on fifty-three-foot towers, these beacons revolve constantly, sweeping the sky during the long hours of the night that the flyers may know they are holding to their course.

This white way was extended east and west beyond its first limits as a measure of safety and reliability of service. Should the pilots be delayed for any reason they are now practically certain to be within the lighted zone before being overtaken by darkness.

There are five main landing fields, in addition to the sixty emergency fields, in the nightly flying section. All the fields in this section are lighted at three corners by flashing acetylene lights, while the main fields have 325,000,000 candlepower beacons, mounted on sixty-foot towers, in the fourth corner.



**THREE-INCH NAVAL FIELD PIECE WHICH WILL FLANK OUR
MEMORIAL FLAG POLE**

OCEAN LINER TO BE ELECTRICALLY PROPELLED

General Electric to Build Equipment.

Following in the footsteps of the United States Navy in using electric ship propulsion the American-Hawaiian Steamship Company has recently placed a contract for the largest electric-drive passenger liner ever built, with the Cramp Shipbuilding Company.

For this ship the General Electric Company will build two Curtis steam turbines, two 12,000 horsepower alternating current generators, and two 10,000 horsepower synchronous motors. Thus we are to build all the propulsion machinery with the exception of the two water tube oil burning boilers. All auxiliaries on the ship are to be electrically operated.

The vessel is to be 578 feet long, with a seventy-five-foot beam, and will have a displacement of 17,500 tons. Accommodations will be provided for 600 first-class passengers and a crew of about 250 men. The liner will go in service between San Francisco and Honolulu. It will require two years in the building, and will cost approximately \$5,000,000.

Plans call for 20,000 horsepower and a speed of twenty-one knots. The vessel will have twenty per cent surplus horsepower, or a total of 24,000 horsepower, which will enable her to make up time in emergencies and maintain her schedule of a round trip every fourteen days. This will include two and one-half days in each port.

The Matson Line has agreed to purchase the vessel upon completion and she will fly its flag when put in service. The liner has been designed so that she can be transferred easily into transport service if required in a national emergency, and will be a valuable adjunct to the navy.

THE TRUE MEASURE OF MEN

When the General Electric Company announced its Coffin Foundation Awards, it did something more than hand certificates and a share in \$11,000 to forty-eight persons.

It came out and declared itself a champion of democracy in industry. It gave like recognition to every one of the forty-seven men and one woman who the committee thought had done

most to aid the progress of the electric industry in 1923.

William L. Emmet, who in war days was a member of the Naval Consulting Board, got an award for inventing the mercury boiler. John Mullarkey, a steamfitter in one of the Schenectady shops, worked out a better method for manufacturing molded insulation. A stenographer in the Pittsfield plant, Isabelle D. Barron, shared equally with them for devising a better way of keeping condensed record of the company's relations with customers.

This is the first time that the essential democracy of industry has received such recognition from a great industrial corporation; the first time equal honor has been paid the man in the shop and the renowned engineer.

It is not the field in which one is engaged, but what one accomplishes in that field, that counts. There are no degrees of dignity in useful work.

—From Collier's Weekly.

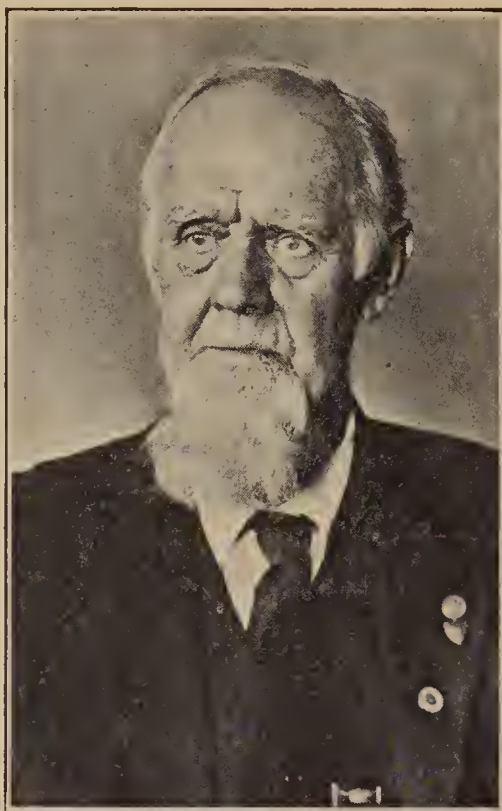
THE BUILDING OF A REPUBLIC

One hundred and forty-eight years ago a small body of men signed a document which was to have a far-reaching effect on the liberty, not only of America, but of the whole world. It was the Declaration of Independence—a note of defiance to a king and a government which had become intolerable to the American Colonists.

The signers of the declaration—America's first committee of public safety—were careful, conservative men but they realized that the safety of the new republic and their own personal safety depended on prompt and vigorous action. If they won, they would be honored as patriots; if they lost they would be hanged as rebels; like the pioneers of the safety movement today, they were confronted with indifference and often hostility among those they counted on for support. But they were determined to preserve economic and political freedom for themselves and future generations; they took the daring course and won.

Had they followed literally the motto "Safety First," they would have continued to pay taxes to a government in which they had no voice and submitted to oppressive restrictions on commerce. Their course meant war and all the trials involved in the founding of a new nation—but the judgment of thoughtful men prevailed and the foundations of the Republic were safely laid.

American industry today is being made safer by foremen and workmen who think before they act and win others to the cause through example and well directed energy and enthusiasm. In conserving human lives and prolonging their usefulness to their families and to their country, they are performing a work of real patriotism in accordance with the principles laid down by the founders of the Republic.



WILLIAM DONNELL

PENSIONED EMPLOYEE DIES

Mr. William Donnell, a charter member of the Quarter Century Club and a retired employee of the General Electric Works here, died at the home of his daughter in Van Wert, Ohio, on July 2nd.

Mr. Donnell was born June 1st, 1843, at Donnellsville, Clarke County, Ohio. He lived on the farm until he reached the age of eighteen years. Then he enlisted in the Civil War with the Union forces. He served almost three years with the First Ohio Infantry, with the exception of ten months, during which he was on detached service with the Fifth Indiana Battery. He took part in the battles of Stone River, Chickamauga, and many other battles which helped to determine the final victory for the Northern forces.

Shortly after the war ended, Mr. Donnell came to Fort Wayne and engaged in the gold and silver plating trade. He followed this trade until May 21, 1888, when he came to this Works, then known as the Jenny Electric Company, to do similar work. He remained actively in the employ of this plant until December 14, 1918, when he was placed on the retired list. At this time he was seventy-five years of age and had worked here for over thirty years. While working here he lived at 1445 Wall street and at 908 Rivermet avenue, but after his retirement he moved to Van Wert to make his home with a daughter.

He never lost interest in his old friends and associates at the Fort Wayne Works and frequently honored us with a visit.

A committee of the Quarter Century Club attended the funeral which was held at Van Wert on July 4th.

WHAT HAPPENS WHEN AN APPLE HITS YOU

By Bruce Barton

Courtesy The Century Company

In the dining car, the other day, I ordered preserved figs for dessert, and the waiter responded cheerfully, "I'm sorry, suh, but we ain't got none."

A keen-looking young fellow sitting opposite me looked up and smiled.

"It might interest you to know how that same remark put several thousand dollars into my pocket," he said.

"I am in the business of making applesauce," he explained, in answer to my look of surprise. "We put it up in sealed jars and sell it through the grocery stores. Every one was kind enough to tell us, when we started, that it couldn't be done; but we do it, just the same."

"Coming over from Philadelphia last year I ordered preserved figs and received the same answer that the waiter has just given you. That set me thinking."

"I went back to our factory, got a jar that would hold an individual portion of applesauce, filled it, labeled it attractively, and set out for New York to interview the men who make the purchases for the dining cars. It was difficult to interest them, at first, but I finally succeeded."

"And now we sell scores of thousands of those individual jars every year—all because a waiter told me that he was sorry, but 'we ain't got no preserved figs'."

That man did not know it, but he had given in less than five minutes an epitome of human progress. By just such steps the race has climbed out of barbarism into civilization—by one mind after another meeting an obstacle and conquering it.

How many millions of men have watched their wives bending over a needle? Elias Howe watched his wife, and thought, and worked, and invented the sewing machine.

How many have seen the steam in a kettle lift the lid? Watt saw it, and out of his thought there came the steam engine.

Most of us go lazily through life, using whatever ingenuity the past has bequeathed, and adding nothing on our own account.

A hundred clerks will work side by side in an office; and only one in a year will ever gladden the heart of the boss by saying, "Couldn't we save a little time or money by doing this thing in this better way?"

But that one clerk who, out of his dissatisfaction with things as they are, devises even a trifling improvement, is a brother of Edison and Watt and Fulton. Humanity becomes his debtor in a little measure; in him are the seeds of genius.

For what is genius but an insatiable appetite for something better, a set-

tled habit of meeting every can't with a why not?

There are great unused sections in all of our brains. How much would be added to human progress if, for one single week, each one of us were to make every obstacle the subject of a little real thought?

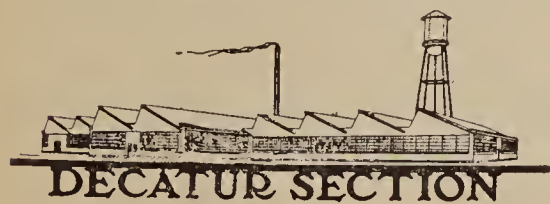
Sir Isaac Newton, lying under an apple tree, was hit on the head by an apple. And, setting his mind to work, he developed at length the theory of gravitation.

Apples of obstacles and mischance continue to fall; we are hit by them every day. But the trouble is that most of them merely raise a bump when they ought to stir up an idea.



THE BIGGEST ONE HE HAS EVER CAUGHT

12 Lbs.—38 in. Long, 15 1/4 in. Girth



DECATUR SECTION

The following is the story of two German girls who are now employed in the Decatur Works. Their names are Emma and Lina Guth. After their arrival in our country, of which you will learn in their story, they were instructed in our language, ways and habits, and rapidly met with success.

When brought into the employ of the Decatur Works they were placed as winding operators in the Winding Department. Their winsome personalities soon won them a great number of friends.

They are talented musicians and singers, who often entertain at parties, etc. Our girls would regret very much to learn that for some cause or other they were leaving our employ. They are so cheerful all day long at their work that one would never think hardships befell them.

Their story will probably be of interest to their co-workers, friends, and to many of those who do not know them.

—Section Editor.



EMMA AND LINA GUTH

“Das Kreuz Bringt Rosen”

(The Cross Brings Roses)

“Dear Readers:

“Tarry a moment and ponder upon this old saying, ‘Das Kreuz Bringt Rosen,’ (The Cross Brings Roses). Does it mean anything to you? Or does it express something you cannot appreciate? Then let us tell you the story of our life and perhaps you will.

“In faraway Germany, in the Rheinpfalz, noted for its natural beauties as well as for its historic scenes, is the place we call home. There, in the blessed family circle, we spent the beautiful carefree days of our childhood. Never can we forget those hours when at our mother’s knee we listened to the stories or in company with our father, wandered through the green woods of midsummer.

“Only too soon those wonderful days, speeding into years, flew by, and we were rudely awakened to the stern realities of life. Our youthful ambitions were to obtain an education, see the world and become famous; but God’s thoughts are not our thoughts; instead we must need bear the cross. In 1914, when we were just fourteen years of age, those dark clouds, which soon broke into that terrible maelstrom of the great world war, gathered ominously on the political horizon. War! with its destruction, sacrifice and degradation was especially severe on us because of the location of our home near the western front. Four years the thunder of cannon shook to its foundation the ancient home in which we lived. It was built in the fifteenth century and had seen many wars before this one, but the structure was getting weak in some parts and often we feared it must soon crumble and fall. Praise God, it still stands! We saw

thousands of men and boys take leave of their loved ones, most of them never to return. Our own brother-in-law left us to follow the call of his country and never came back. His final resting place is among the thousands of others in the blood-soaked earth of Compress Hill near Verdun, in France. He was the second son to be taken within two months from his mother by the war. Oh, the nerve-shattering reports that daily came from the front! But such times drive the people to God. Where could we have found any comfort or hope had not He who carried the cross before us been constantly at our side? Friends, do not curse your cross, but remember that your Lord will eventually convert it into a crown.

“How wonderfully the Lord has helped us! At last in 1918, peace! The cannons were silenced and hearts began to glow with new hope. It seemed that conditions would soon become much better for the people. Instead, especially in Germany, things became worse. The struggle for bare existence soon grew to a stern reality and finally, worst of all, came hunger, constantly and always there, never satisfied. Our widowed sister with her four little orphaned children was especially hard pressed. Then we found a way out.

“Our parents, who had spent a number of years in America, in fact had been united in marriage here, but had not remained, suggested to us the thought of coming to this land of unlimited possibilities. On the 8th day of January, 1922, we wrote a letter asking if someone would be kind enough to forward the means and open the way for us to come. Having no relatives and not knowing if the former acquaintances of our parents in America were still living, we addressed the letter to ‘Dem Pfarrer’ (The Pastor), Decatur, Indiana. The letter, after some delay, reached its intended destination and an answer came back. To our great surprise and gratitude, it contained an offer to help us come to America, and give us a home after we should reach there with Mr. and Mrs. Fred Heuer, who were totally unknown to our parents. After some correspondence and the making of necessary arrangements, for the most of which we greatly acknowledge the kindness of Mr. and Mrs. Matthias Kirsh, of Decatur, Indiana, we were finally ready on the 15th of August, 1922, to bid farewell to home and loved ones.

“You may imagine that it was not an easy thing to say good-bye to all who were near and dear to us, to a good mother and godly father, to brothers and sisters, friends and companions of youth, to our mother tongue and homeland and finally to strike out into a new world and uncertain future. On the 19th day of August we boarded ship in Hamburg. Often during the trip across the wide Atlantic our courage nearly failed us when we thought of the past, the present and most of all the uncertainty of what the future had in store for us. At such times we could comfort ourselves with these words: ‘E’en though the way I cannot see, Thou, O God leadest me.’ We landed safely in New York on September 2nd. Our first

night in America was spent in the Hudson House, that well-known refuge of immigrants and emigrants. We gratefully acknowledge the help and kindness of the Superintendent, Rev. Dr. Land. The next day we continued our journey by rail and after a twenty-four-hour ride we reached the beautiful little city of Decatur in the grand old Hoosier state. Here we were heartily welcomed by Mr. and Mrs. Fred Heuer, who received us into their hospitable home.

"We have been in our new home more than a year and have great cause for thankfulness. We have received kindness from Mr. and Mrs. Heuer and all our friends and have been enabled to be of great help to our loved ones in the old homeland, and Oh, how thankful they are for even the smallest gift that we are permitted to send them.

"We are now employed at the Local Branch of the General Electric Company, Decatur, Indiana. Being in this service for two years, we admit that we like it and feel at home with our many friends.

"That, dear reader, is our story. Do you not agree that God has wonderfully led us?"

"Lina and Emma Guth."



DECATUR WORKS FIREMEN ON OUTING

F. Braun, B. Baxter, C. Berry and G. Gehrig

Enjoyed Outing Over the 4th

The Decatur G-E Volunteer Fire Department spent an extremely enjoyable vacation over the 4th at Lake Adams. Not a soul knows how they got there, but numerous suspicions have arisen from incidents since their return. All indications show that Jake Eady's physical dignity was somewhat perplexed when the boys preambled his puny physique into the briny deep. Tibie Gehrig, the terror of the tool room and the pride of the fire force, together with his rusty stringed violin sure did sicken the fish and sent the

mud turtles sprawling to the bottom. His music was, nevertheless, enjoyed by all. (It was the best we had). Clyde Beery proved himself the second Caruso. While the rest of the crowd sang solos, he sang so terribly low that he couldn't be heard, although he did his share of the damage to the bull frogs and water snakes. Buck Baxter, the sympathetic, big hearted fisherman, went completely broke buying bait to feed those fish who were giggling to themselves because he forgot to bend the hook and put a point on it. Beech Beery and Leo Ulman are rather quiet chaps, and it is only luck that all reports returned on their conduct were favorable. Mr. Frank Braun, the "chief" and chaperon, had to behave and set the example for the boys. Now the firemen are back safe and sound, regretting that two of their comrades, Charles Throp and Chester Klein-knight, were not present because of sickness.

While the many ordeals were enacted, Mr. E. W. Lankenau looked on in utter bewilderment, wondering if these boys would ever grow "up."

Miss Verena Miller, of the Decatur Plant, went on her vacation July 19th.

ATHLETICS

G-E A. A.

City Industrial League

The G-E A. A. team in the City Industrial Baseball League is having a hard time turning hits into runs and as a result have been on the short end of the game in their recent ventures.

In the game with the Pennsylvania the Green and White were able to turn five hits into but one run, while their opponents scored three on ten hits. "Rip" Watt again essayed the pitching honors and kept the hits well scattered, but his teammates were unable to score enough runs to cop. McGary's work at second base for the railroad men featured this game.

Inability to turn hits into runs again spelled defeat for the G-E in a game with the Western Gas. The G-E club connected for fourteen safeties for two runs, while the Gasmen got three runs from eleven hits. This game went eleven innings and was a real battle from start to finish. Hamilton pitched excellent ball but a sore arm caused him to retire in the eighth and Harwood finished the game.

The league is now on the second round of the schedule. One more round remains to be played. The standing of the teams after the 19th of July was as follows:

Team	Won	Lost	Pct.
Western Gas.....	5	1	.833
Wayne Tank.....	2	2	.500
General Electric.....	2	3	.400
Pennsylvania.....	2	3	.400
Tokheim.....	0	2	.000

Y. M. C. A. Amateur League

The G-E A. A. team has been having a hard time getting its games on the right side of the ledger in the Y. M. C. A. Amateur League. To date this team has won but one game and is at the bottom of the league. Bowers, by virtue of a double win over Pennsylvania last Saturday, is on top of the heap. The games to date complete the second round of the schedule. Dudlo, winners of the first round, and Bowers, winners of the second round, will meet for the championship of these two rounds.

Intersectional Baseball League Notes

The scheduled games of the Intersectional Baseball League is about finished. Several postponed games remain to be played and the league will start an elimination series to determine the championship. The games, as a rule, have been close and very interesting. The Small Motor team has lost but one game, that to the Main Office, and are at the top of the league. The games were played on the Taylor Street grounds after work on Monday and Wednesday evenings. Five innings constitute a game. The standing of the league July 22nd was as follows:

Team	Won	Lost	Pct.
Small Motor.....	4	1	.800
Meter.....	3	1	.750
Main Office.....	2	2	.500
Transformer.....	2	2	.500
Tank Shop.....	1	2	.333
Apprentice.....	0	2	.000
Engineers.....	0	2	.000

Girls' Baseball

Standing in Blue Triangle League July 18th, 1924:

Team	Won	Lost
General Electric.....	4	0
Wayne Knit.....	2	0
B. T. A. A.....	2	3
Wayne Tank.....	0	5

The schedule would be completed except that Wayne Knit has to play two games with General Electric and one each with B. T. A. A. and Wayne Tank (this was on account of Wayne Knits shutting down for two weeks). The members of the G-E team are as follows: Pitcher, Hilda Walda; catcher, Dorothy Coles; first base, Ida Trautman; second base, Florence Case; third base, Dorothy Schwartz; right field, Alma Olson and Polly Potts; centerfield, LaVera Vail; left field, Virginia Sarrazen; right shortstop, Edith Cottrell; left shortstop, Tressie Singrey; coach, Ed Horstman; manager, Ed Kammeyer.

The following are the scores of the G-E games:

June 11th—G-E, 24, vs. Wayne Tank, 4.
June 23rd—G-E, 8, vs. B. T. A. A., 5.
July 9th—G-E, 28, vs. B. T. A. A., 14.
July 14th—G-E, 26, vs. Wayne Tank, 8.

Notes

The G-E A. A. is considering the proposition of limiting its athletic activities wholly to its own members, that is,



G-E BASEBALL TEAM IN 1912

Standing (left to right)—Ralph Miller, Walter Prince, Bill Wedler, Al McKee, Gordon Laird, Leo Hines, George Lenz, Harry Cashdollar.

Seated (left to right)—Harry Griggs, Bill Franke, Otto Nahrwald (Mgr.), Fred Fink, Lou McKee.

making all games inter-departmental. This appears to be a practical solution of our problems. The present system of inter-industrial athletics, while more or less successful, has many disadvantages. The number of players who can participate is limited. Petty grievances between players and fans does not make for better feeling between industries. Whether the industry profits from this form of advertising or not is questionable. Recent developments in industrial athletics have caused a division in sports into amateur and professional or semi-professional. This division has caused a complete lack of interest in all forms of athletics evidencing itself in the lack of attendance at the games. The division also makes athletics a costly proposition when you consider the fact that it is necessary to completely equip two teams. So considering the advantages and disadvantages of the present system it seems that some change might be in order.

G-E Baseball Team in 1912

Back in 1912 the G. E. team was winning ball games. This team won the league championship, only losing one game. At that time, as today, the Western Gas team was their close rival. Among the men who were then members of the G-E team we find Ralph Miller, who has since played three years with the Philadelphia National League team, and is now playing with Reading, Pa., in the International League. Walter Prince is now working in Building 4-3. Bill Wedler is running an automobile accessory store on Broadway. "Al" McKee played in the Federal League. Gordon Laird is still playing ball in these parts. Leo

Hines is manager of a refrigerator apparatus plant in Baltimore, Md. Geo. Lenz is still here, working in Building 17-3. George is coach of this year's Industrial League team. Harry Cashdollar is with the Traction Company. Harry Griggs played several years in the Three-I League. "Bill" Franke is assistant foreman of the Tool Making Department. Otto Nahrwald is foreman of the Punch Press Department. Fred Fink is deceased. The whereabouts of Louie McKee is not known.



BILL AND PETE READY FOR A PLUNGE

Girls Department



Elex Club

Federation, after a period of apparent inactivity, proved that its officers were still on the job by giving a picnic in Lakeside Park on July 9th. It was a success in spite of the rain which began to fall soon after the crowd had arrived. Twenty-five Elex girls were taken to the park in a truck and several more intended going out after the ball game between G-E and B. T. A. A. The girls who went to the conference of Industrial Clubs at Dewey Lake several weeks ago described their experiences there, telling tales on each other. Elex's representatives were Agnes Moorman and Lillian Steup. The party broke up a little earlier than it would have, had the weather been favorable, but the girls declared that they enjoyed it just the same.

As further proof that it is alive and well, Federation made arrangements for an ice cream social to be held in Lakeside Park on Wednesday night, July 30th. The plans were as follows: The services of the Dudlo band were secured for the concert part of the affair. There were to be the usual concessions, ice cream, candy, pop, crackerjack, etc., also balloons and a fish pond. A ticket sale contest was to be held, offering a prize of \$5.00 to the girl who sold the most tickets, and a second prize of \$3.00. The contest began July 16th and closed at 9:30 p. m. July 30th. The following girls were on the committee in charge of this affair: Madge Funk, general chairman; Dottie Littlefield, concessions; Edress Beehler, fish pond and balloons; Lois Miller, properties; Irene Meyers, ticket contest; LaVera Vail, publicity; Alice Bennigan, general cashier.

Elex Girls Visit Dewey Lake

Elex was well represented at the Dewey Lake Conference held the week-end of June 21st-22nd. Fern Burris motored up on Saturday morning, taking with her Hilda Walda, Pauline Smith, Florence Case, and Irene Meyers. With the exception of one puncture, the girls had no accidents. They stopped at Elkhart, Ind., for breakfast. Since Hilda and Irene had had no breakfast, they almost bought the restaurant out. The day was spent with a large number of Fort Wayne girls and many girls from many other cities were met. After camp closed for the evening the girls returned to their log cabin, where they spent some time singing, having pillow fights, etc. The return trip was made a sight-seeing one; Kalamazoo and Battle Creek were among the cities visited.



BLDG. 26-4 GIRLS AT TRI-LAKES

Building 26-4 Girls Hold Outing at Tri-Lakes

The girls of Building 26-4 enjoyed a day's outing at Tri-Lakes, July 12th. They left the works at 8:00 o'clock in private cars.

They, after their arrival at the lakes, amused themselves during the day with the usual sports that are connected with a lake, namely, bathing, boating, and taking pictures. A sample of the last is found on this page. At 11:00 o'clock the dance hall was opened for the girls. Since there was no orchestra the girls organized one for themselves, which was as follows: Dorris Holland, piano; Ruth Preston, traps, and Irene Meyers, trombone, with Grace George as director. Some very fine, but we can't say very harmonious, selections were played. At noon the girls raided the Anderson Cafe and procured their dinners. On the way home they stopped to enjoy the Churubusco carnival.

The invited guests were the Misses Esther Pape, Gertrude Linnemier, Gladys Dixon, and Irene Yerman.



THE CROWD THAT ATTENDED THE OUTING

Building 19-4 Girls Picnic at Trier's

Thirty-five girls from Mr. Miller's and Mr. Bireley's departments in Building 19-4 went from work directly to Trier's Park on July 8th to have a picnic. After the girls' appetites were appeased, Helen Snyder, toastmistress for the occasion, spoke on a very amusing subject and finished by saying she was sorry there wasn't more to eat. After getting thrills galore out of the amusements, the girls went over to the dance hall. They danced all the dances that were left and at a very late hour went to their respective homes.

B. T. A. A.

B. T. A. A. activities during the past few weeks have included: The baseball league, the tennis tournaments, a picnic, and a hike.

The standing of the baseball league is given on another page.

The tennis tournaments have progressed as far as the semi-finals, which will be played off in the fall.

Semi-Finals

High School	Industrial and Commercial
Dorothy Miller plays	Miss Ida L. Jones plays
Maxine Schneider	Gertrude Iba
Hildegard Hormel plays	Flora Gerberding plays
Lena Patterson	Hilda Walda.

In order to keep the girls from becoming too much separated during the summer months, a picnic was held in Swinney Park on July 10th. On July 17th a dozen girls hiked from the Y. W. C. A. to Sylvan Beach, where they ate lunch and spent some time on the beach, returning to town about 8:30 o'clock.

It is hoped that some hikes may be held during August, and all B. T. A. A. members and any other girls who care to, are urged to take part. A notice will always be in the newspaper, so look for it.

Miss Eva Elsey Leaves

The girls of the Fractional Horsepower Motor Engineering Department gave a surprise party Wednesday evening, July 16th, in honor of Miss Eva Elsey, stenographer to Mr. A. F. Welch, who is leaving for her home in Minnesota this month. Mrs. Schram invited Eva to her home for supper and while they were out enjoying a walk the rest of the girls came to the house and hid themselves wherever possible. When Mrs. Schram and Eva returned they were greeted by a loud noise which turned out to be the girls removing themselves from their hiding places. The evening was spent in playing "Progressive Hearts" and another game that Magdeline Welch persists in calling "Oysters."

Miss Elsey was presented with a beautiful underarm bag—just what she has been wanting for a long time. Altogether, the girls had a time that Eva has promised never to forget and that everyone enjoyed. Eva says that she hopes that the girls are going to miss her just a little, and she also says that she knows that she will miss them more than "just a little."

Marriages

Wahle-Beck

Miss Bertha Beck, a leading operator in the Winding Department in Building 4-5, under Mr. A. L. Foellinger, was married Saturday, June 28th, to Mr. R. A. Wahle of the Small Motor Engineering Department. The wedding took place at the parsonage of the First Methodist Church, the Rev. Potter performing the ceremony. Miss Beck has worked at the General Electric Works for about four years and is very well known about the plant. The young couple spent the two weeks following their marriage in Davenport, Iowa, at the home of the groom's parents.

Yagerlehner-Acker

A most beautiful wedding took place June 27th when Miss Neva Acker of Building 19-4, became the bride of Mr. C. Yagerlehner of this city. The couple left the following Saturday morning for Glendale, California, where they have a new home. They were fully equipped with a new camping outfit and travelers' apparel as well. They traveled the southern route, going through St. Louis, Missouri; Kansas City, Kansas; Denver, Colorado, and other points in Colorado, New Mexico and across the desert of Arizona.

Neva is very much missed by her many friends, but they all wish her the best of luck finding new friends among the beautiful rose gardens.

McGuire-Ardern

Miss Cloise Ardern from Building 4-5, left the employ of the Company on July 3rd and was married on July 6th to Mr. Joe McGuire. Here's wishing them a lot of good luck.

KEEPING FIT CONTEST

Standing of Major Departments, June 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	2.44	54.73
2. Meter Department.....	18.15	13.82	23.85
3. Fractional HP Motor.....	22.25	18.69	16.00
4. Decatur	6.81	6.50	6.02
5. Contributing Departments.....	20.12	21.95	—9.09
6. Building and Maintenance.....	11.25	13.82	—22.84
7. Induction Motor.....	4.78	6.50	—35.98
8. Transformer	11.25	16.26	—44.53

Miscellaneous Notes

Mrs. Gladys Pratt Dickerson, of New York City, formerly of Mr. Miller's department, Building 19-4, is spending the summer with her parents on the Lima Road.

Mrs. Fern Burris of Building 19-4, spent the week-end of July 12th with Mrs. Stella David Banthom, of Wabash, and formerly of Mr. Snyder's department, Building 19-5.

Miss Audrey Ries from Building 4-5, was on a week's vacation July 12th to 19th.

On July 12th Miss Lois Miller from Building 4-5, left on a ten-day trip, visiting Niagara Falls and other points of interest.

Miss Naomi Dougal spent the week beginning July 12th at Rome City.

Miss Genevive Dahlkamp from Building 17-4, left July 12th on a vacation.

Miss Luella Maisch of the employment office in Building 19-1, left July 12th for a week's vacation at Lake James.

Miss Gertrude Traxler, of the Pay Roll Department, is on a two weeks' vacation, which is being enjoyed in Northern Michigan.

Miss Helen Litot of the Pay Roll Department, has returned to her desk from a week's vacation spent at home.

Miss Ann McCarthy of the Order and Stores Department, is on a two weeks' vacation, which she is spending at home.

Miss Helen Kruse, messenger in the Distribution Department, has returned to work after a two weeks' vacation spent at home.

Miss Elva Plattor of the Dictaphone Department, was on her vacation the weeks of July 14th and 21st. The first week she spent at home; the second week she spent in traveling to such points as Cleveland, Detroit, Chicago, etc.

Miss Lena Fiester, stenographer in the Drafting Department, spent her vacation, July 5th to 19th, at Crooked Lake and Coldwater, Michigan.

Miss Kathleen Shaefer of the Drafting Department, will spend the first two weeks of August at Lake James.

Miss Vivian Hey will spend her vacation at Crystal Lake, Michigan, the latter part of August.

Mrs. G. M. Fowler is taking her vaca-

tion the latter part of August. She will spend part of the time at Chicago.

Miss Olga Brandenburger of the Material List Department, will spend the week of August 11th at Winona Lake.

Miss Thelma Clements, typist in the Material List Department, will spend one week of her vacation at Kalamazoo, Michigan. The other week she will spend at home. She plans on taking her vacation the second and third weeks in August.

Miss Rose Rhuland, a former employee in the Rate Setting Department, Building 18-1, visited the plant on July 3rd. Miss Rhuland is now employed in a Dayton office.

Miss Hilda Mayer, an employee in the Building and Maintenance Department, Building 18-1, is spending the week at Rome City.

Miss Vivian Powell, an employee in the Building and Maintenance Department, Building 18-1, enjoyed a vacation the second week of July, which she spent at home.

Miss C. Howler, stenographer for Mr. H. Miller, enjoyed the week of July 7th in visiting Niagara Falls and other interesting points.

Mrs. Ethel Miller of the Meter Department, Building 19-5, was absent from her duties on July 17th on account of illness.

Miss Lena Bauer, a winder in Building 19-5, was off duty on July 17th on account of sickness.

Miss Josephine Magers of the Meter Department, Building 19-5, spent the week-end July 19th and 20th with friends at Lake James.

Miss Chloe Hamilton of the Meter Inspection Department, was absent from her duties for the last two weeks in July taking a vacation.

Miss Laura Van Isenberg of the Meter Department, was absent from her work on July 16th on account of illness.

Miss Erma Plattor of the Dictaphone Department, left July 12th to spend a few days at home and then leave for Cleveland, Detroit, and other points of interest. She returned to her duties on July 28th.

Miss Provines, secretary to Mr. Goll, was off for a week, beginning July 12th, on account of her health.

Miss Beatrice Robbins of the Meter Department, Building 19-5, was absent several days during the third week of July on account of illness.

Miss Eleanor Stein of the Meter Department, was off duty on July 18th on account of sickness.

Miss Viola Graies of the Meter Department, Building 19-5, was absent several days last month on account of illness.

The following young people enjoyed a house party the week-end of July 19th and 20th, at the Du Wa Ukan Cottage at Rome City: The Misses Vera Bauman, Hilda Rastetter, Florence Lindeman, and Ann Rastetter, and the Messrs. Jim Bowersox, Roscoe O'Brien, Bob Greute, and Alvin Konow, with Mr. and Mrs. W. Regenauer and Mr. and Mrs. Paul Staugh as chaperons. The party motored through.

SAFETY FIRST

After watching a six-cylindere model with a tin horn sport at the wheel whizz by at forty per, we wonder how people could be slow enough to get hit by a bicycle. After watching a buzz saw or jointer in operation it seems strange that a person could get hurt with a screw-driver.

If there is any place where an accident can't happen, insurance companies would like to find out where it is. In 1923 one company paid claims for 143 accidents caused by shaving, eighty-two by slipping in bath tubs, and strangest of all, thirty-nine which happened while the insured was getting in or out of bed!

Not all the jay-walking is done on the streets. Some is done on the gas accelerators.

"Where there's a will there's a way," said the speeder. Unfortunately he didn't make his will first.

A barber shop is the place for a close shave—not a railroad crossing.

REMEMBER

The G-E A. A. Social and
Band Concert,
Friday Night, August 8th



General Electric Company's service extends in many directions. Write to Section G L, Merchandise Department, General Electric Company, Bridgeport, Conn., for a handsome free book showing how you can transform your house into a Home of a Hundred Comforts.

One cent will drive your fan for two hours. It will keep your washing machine at work for twenty minutes. Or it will give you two hours of light from your 50-watt MAZDA lamp.

This is the biggest cent's worth in history—the service of your fan, of your washing machine or of your MAZDA lamp.

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines

FORT WAYNE WORKS NEWS



Vol. 8

September, 1924

No. 9



Girls Who Deliver the Goods

On our cover this issue we do honor to some of the girls of our factory who are doing especially creditable work in building the products of our plant. They are quiet, unassuming girls, but they are girls who know their work and are speedy and accurate in doing it. They are girls who can be depended upon. They take their jobs seriously and thoughtfully and by putting their best efforts into their work have attracted the attention of their superiors. As a result we find them doing more responsible work as times goes on, for theirs is the kind of effort that counts. It is with pleasure that the Works News presents their pictures and individual personal sketches to its readers, the employees and the home folks of our Fort Wayne and Decatur plants.

In order that you may identify these girls we will list their names in the same order and position that their pictures occur on the cover page. Their personal sketches will be found in the Girls' Section of this issue.

Carrie Neuenschwander,
Induction Motor 19-2

Emma Reiling,
Fractional H.P. Exp., 17-4

Flora Gilmore,
Fractional H.P. Motor, 17-4

Martha Bergman,
Fractional H.P. Motor, 4-5

Eleonor Plock,
Insulation Dept., 10-3

Bessie Chapman,
Trans. Dept., 19-2

Catherine Wise,
Meter Dept., 19-5

Carrie Cruse
Rate Setting, Fract. H.P. Motor, 4-4

Irene Meyers,
Meter Dept., 26-4

Alta Bause,
Wire and Insulating, 17-3

Dewey Wickliffe,
Apparatus Dept., 2-2

Eva Beckman,
Meter Test, 19-5

Dora Hendericks,
Decatur Plant

Ethel Tumbleson,
Decatur Works

FORT WAYNE WORKS NEWS

Vol. 8

SEPTEMBER, 1924

No. 9

DID YOU MAKE ANY SUGGESTIONS AND RECEIVE A SHARE OF THE \$19,171 AWARD TO SUGGESTORS DURING THE FIRST HALF OF 1924?

THE COMPANY, in its effort to reward those of its employees who made valuable suggestions during the first six months of 1924, paid out \$19,171 in awards to 1,588 individuals. During the entire year of 1923 the awards amounted to \$22,988 paid to 1,752 individuals, so it will be seen that the popularity and effectiveness of the suggestion award system is growing apace.

It will pay you to study the accompanying table, which is most interesting because it indicates the possibilities which are open to all who can offer suggestions of a nature valuable to the Company.

During the first six months of this year 6,141 suggestions were received from an average of 58,188 employees in the works participating, which is equivalent to one suggestion from $9\frac{1}{2}$ employees. During

the entire year 1923 suggestions were received from one of each $7\frac{1}{2}$ employees.

It is apparent, too, that the quality of the suggestions offered is improving. During the six months this year 25.9 per cent of all suggestions submitted were accepted. During 1923 only 21.7 per cent of those submitted stood the test.

Erie Works stood highest in percentage of suggestions considered to average num-



AWARDS FOR SUGGESTIONS

Six Months Ended June 30, 1924

	Schenectady	Lynn River	West Lynn	Pittsfield	Erie	Fort Wayne	Bloomfield	Bridgeport	Philadelphia	Baltimore	Edison Lamp	Total
Average number employees	20,316	8,207	2,785	6,782	4,816	4,617	1,737	2,091	687	1,288	4,862	58,188
Suggestions considered	2,531	551	403	508	803	373	121	161	93	183	414	6,141
% of average employees	12.4	6.7	14.5	7.5	16.6	8.1	7.0	7.7	15.8	14.2	8.5	10.6
Suggestions adopted	745	140	123	148	181	47	22	47	33	31	71	1,588
% of suggestions considered	29.4	25.4	30.6	29.2	22.6	12.6	18.2	29.2	35.5	16.9	17.1	25.9
Lowest award	\$5	\$5	\$5	\$5	\$5	\$5	\$2.50	\$5	\$5	\$5	\$1	\$1
Highest award	\$300	\$100	\$30	\$150	\$400	\$75	\$80	\$100	\$15	\$25	\$100	\$400
Total amount of awards	\$10,575	\$1,255	\$870	\$1,675	\$2,703	\$430	\$170	\$563	\$112	\$225	\$593	\$19,171

ber of employees, with Philadelphia next, and West Lynn third.

Philadelphia, however, had the largest percentage of suggestions adopted—33 out of a total of 93, or 35½ per cent. West Lynn was second with 30.6 per cent and Schenectady third with 26.4 per cent.

There can be no doubt about the success of the system and its effectiveness in stimulating the worker's interest in his job—and his neighbor's as well. Suggestions do not have to deal with the man's own job—anything that will advance the Company's interests, or improve working conditions is a subject for a suggestion and the Company is not only willing, but anxious, to pay for those which can be adopted. Put on your thinking cap and be one of those who will receive a reward before the end of the year.

HOME BUILDING PLANS FOR EMPLOYEES

"The American home is the source of our national well-being. In it our high traditions of service and integrity are fostered. From the true home there emerges respect for the others, and the habit of co-operating for worthy ends. Through sharing its common enterprises and common sacrifices, the child develops that sturdiness of character which distinguishes the manhood and womanhood of our land."—Calvin Coolidge.

As a result of a canvass made of the employees of the Fort Wayne Works, and a study of housing conditions in the city of Fort Wayne, continuing over a considerable number of months; and in line with similar arrangements at several of the other works of the Company; and conforming to the general policy recently established by the Company, a housing committee for the Fort Wayne Works has been appointed.

The present members of this committee are: W. S. Goll, chairman; J. H. Evans, C. H. Matson, J. W. Crise, W. J. Hockett, secretary.

The committee will be glad to assist the employees of the Fort Wayne Works, including the Decatur plant, to build or acquire homes for their own personal use and occupancy, subject to the conditions hereinafter set forth.

All inquiries for assistance under this plan should be addressed to W. J. Hockett, secretary of the housing committee, or his successor.

Rules Governing Loans

1. Only employees who have been in the employ of the Company for one year or more are eligible for this service.

2. Applications for loans must be made in writing, on forms provided for that purpose. Forms may be obtained by any employee, at the office of the secretary.

3. The housing committee will encourage home building and the purchase of homes. It will carefully investigate each application and, if it approves, will assist the applicant to obtain any necessary loan, beyond the usual first mortgage—subject to the conditions herein set forth.

4. Initial payment or equity of pur-

chaser must be not less than 10% of the value of the property, as determined by the housing committee.

5. The authority of the housing committee to approve a second mortgage is limited as to PROPORTION to 40% of the purchase price or value of the property, and as to AMOUNT, to forty-eight hundred dollars (\$4,800.00).

6. If, after thorough investigation, the housing committee approves the individual loan to be secured by second mortgage, it will notify the bank or trust company with which arrangements have been made, of its approval of the application.

7. (a) All appraisals or estimates of property values which may be required under this plan shall be subject, in so far as they may be offered in support of an application for a loan on second mortgage, to the acceptance of the housing committee, whose judgment is to be final.

(b) All building plans and contracts for construction or other improvements must be approved by the housing committee before work is started.

8. While the terms of the loan, including the amount of each installment, are primarily a matter of agreement between the borrower and the bank or trust company, the housing committee is not authorized to approve second mortgage loans extending over more than eight years.

9. The employee-borrower shall agree to a weekly or monthly deduction by the Company from his payroll earnings. These deductions shall begin on the week, or on the first day of the month, respectively, following the date of the loan. On all loans the principal of the second mortgage shall be adjusted quarterly on the first day of January, April, July and October. On the first day of each quarter the total payments made during the preceding quarter will be applied, first in payment of the interest on the first mortgage, and the second mortgage, in full to date, and the balance to be applied in reduction of the principal of the second mortgage. The interest on the second mortgage for the succeeding quarter shall be computed on the remaining principal of the second mortgage.

Explanatory Note:

It is customary for the interest on a first mortgage loan to be paid semi-annually, and these payment dates are probably different from the quarterly dates mentioned above, but the interest on the first mortgage will be accumulated in this manner, so that payment can be made promptly when due.

10. The rate of interest on the second mortgage loan shall be at the current rate on bank and trust company real estate loans in the city of Fort Wayne, Indiana (now 7% per annum).

11. The borrower shall bear the expense of appraisement; of examining the abstract; of preparing papers; and of recording fees, as set forth in a "Schedule of fees agreed to be charged on loans by trust companies in Fort Wayne, Indiana."

12. (a) The borrower must insure the property for the benefit of the mortgagees for an amount equal to the full value of the buildings thereon, the cost of such insurance to be paid by the borrower.

(b) The borrower shall pay all taxes and assessments promptly, and show the receipted bills therefor to the housing committee upon request.

(c) The borrower shall also properly maintain the property and keep it in good order.

13. The borrower shall have the right at any time to pay off any part or all of the balance due on the second mortgage loan.

14. If the borrower leaves the employ of the Company before the second mortgage has been paid in full, the accounting department shall notify the housing committee immediately through its secretary, that the borrower's name has been removed from the payroll. The housing committee shall notify promptly the bank or trust company which made the second mortgage loan. The borrower must then make arrangements with the bank or trust company to continue the partial payments direct to the bank or trust company.

15. If the borrower sells the mortgaged property, the balance of the principal and the interest then due on the second mortgage loan, if any, shall become due and payable upon demand.

16. In the event of the permanent incapacity of the borrower, through illness or accident while an employee of the Company, or any of its subsidiaries, the employee or legal representative may continue the payments under the contract, or may sell the property after securing the consent of the housing committee.

17. In the event of the death of the borrower, the legal representative or the heirs of the estate may elect to continue the purchase, after obtaining the consent of the housing committee, or may sell the property under the conditions set forth in paragraph 16.

18. The Company reserves the right to discontinue this plan at any time.

19. Arrangements have been made so that second mortgages negotiated under this plan shall be with the Tri-State Loan and Trust Company, Fort Wayne, Indiana.

In applying this plan it is the desire to allow the widest possible latitude in selecting locations for homes. However, the housing committee will be justified in withholding its approval of loans for the purchase or building of homes in localities which do not afford proper environment, or where the employee's investment is likely to be seriously impaired by decreasing property values, or in localities which are too far from the employee's work, in the judgment of the housing committee. Also, the plan is made operative solely for the purpose of enabling employees of the Company to acquire homes for their own use and occupancy, and therefore, the housing committee shall withhold its approval of application for loans, if, in its judgment, other uses of the property are contemplated.

It is urged that the borrower make the largest possible initial payment within his means, and that his weekly payments be at as high a rate as he can sustain, in order that he may come more quickly into full ownership, with the least possible payment of interest. At the same time, it

(Continued on Page 17)

SEVENTEEN AWARDS TOTALING \$170 MADE DURING MONTH OF AUGUST

The Committee on Suggestions announces the following awards made on suggestions up to September 1, 1924:

Jay O. Kelly, an award of \$20.00 on a suggestion regarding a different method of spacing the "J" bolts on conservator type of covers for transformers. Originally, Mr. Kelly was given an award of \$10.00 on this idea last February, but the committee found the suggestion was better than at first estimated, therefore, the above additional award was granted. Mr. Kelly, whose photograph appears below, is an employee in the Transformer Tank Shop.

Robert Hermely, an award of \$25.00 on a suggestion regarding a method of buffing certain gears manufactured in the Meter Department in Building 26-4. His idea enables these gears to be buffed on an arbor in place of buffing them individually, thus saving considerable time. A photograph of Mr. Hermely appears above. He is an employee in the Meter Light Machine Department, Building 26-4.

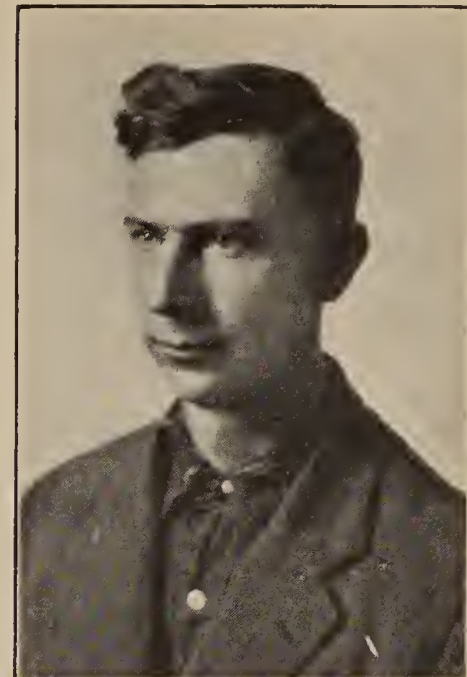
Mr. Wm. Stute, whose photo appears above, an award of \$25.00 on a suggestion regarding special files for filing induction motor stators. His idea makes it possible to file the walls of a slot and also the corners of a slot at the same time, thus eliminating one operation. Mr. Stute is the operator of this filing machine located in Building 19-3 and for this reason the committee has given a greater award on the suggestion than is ordinarily given.

Mr. Ray Mutton, an award of \$20.00 on a suggestion to equip a milling machine in the Induction Motor Department with double "V" blocks so two shafts can be slotted at one time. This idea speeds up this operation considerably. Mr. Mutton is the operator of this milling machine located in Building 19-1 and for this reason



ROBERT HERMELY

Received \$25.00 Award



WILLIAM STUTE

Received \$25.00 Award

the award is more than is ordinarily given. Photograph of Mr. Mutton appears below.

Mr. George Glossup, an award of \$10.00 on a suggestion regarding stripper pin blocks for corrugating press No. 9505, located in Tank Shop, Building 27. Mr. Glossup, who is an employee in this department, conceived the idea that by mounting the stripper pins in special blocks with cotter pins considerable time would be saved in making the set up.

Mr. Wm. H. Moltham, an award of \$5.00 on a suggestion to manufacture IA-201 bearing pins in Meter Automatic Screw Machine Department. These pins were formerly manufactured in the Meter Light Machine Department, Building 26-4, and Mr. Moltham, who is an employee in that department, conceived the idea that they could be manufactured cheaper in the Screw Machine Department.

Mr. Geo. Diffenbach, an award of \$5.00

on a suggestion to install a lever for raising the punch on the gray sheet metal cutter in Building 27. Mr. Diffenbach, who is an employee in the Tank Shop, noticed that the hand wheel did not work properly and suggested replacing it with a lever.

Mr. Connie C. Templin, an award of \$5.00 on a suggestion to load stators on steel platforms in the Punch Press Department, Building 4-1, so that they will not have to be transferred upon arrival in the Sandblasting and Baking Department. Mr. Templin, who is an employee in the latter department, conceived this time-saving idea.

Mr. Arnold Landis, an award of \$5.00 on a device to prevent cloth tubing from twisting while being wound on racks in Building 19-2. In the winding department on this floor some trouble was experienced due to this tape twisting and this was overcome by this suggestion. Mr. Landis is an employee in this department.

Mr. Edgar Waldschmidt, an award of \$10.00 on a suggestion to use a departmental average hourly rate in making the distribution of engineering and drafting time cards. Mr. Waldschmidt, an employee in the Accounting Department, noticed that a great uniformity and a saving of time would result if the methods which he suggested were used.

Mr. Wm. Law, an award of \$5.00 on a suggestion regarding a guard for foot trip lever on shears No. 9698 located in Tank Shop, Building No. 27. Mr. Law, who is an employee in the above department, noticed this lever needed guarding so that work falling on it would not cause it to trip.

Mr. Merle Binkley, an award of \$5.00 on a suggestion regarding a guard for punch press No. 3798 located in Building 19-4, east end. There is a gear on this machine which needed guarding on its under side. Mr. Binkley is an employee in the Meter Magnet Department, Building 19-4.



JAY O. KELLY

Received \$20.00 Award



RAY MUTTON

Received \$20.00 Award

Mr. C. P. Holmes, an award of \$5.00 on a suggestion regarding fixture for pressing in brushholders in new style R.S.A. motors. The old fixture was liable to damage the brushholders when pressing it in the flange and this idea prevents this damage. Mr. Holmes is an employee of the Fr. & H.P. Motor Assembly Department.

Mr. Paul Kirbach, an award of \$5.00 on a suggestion regarding using different tags on coils going through treatment in the Transformer Department. This idea saved time in identifying these coils as the old tags were sometimes badly obliterated or broken. Mr. Kirbach is an employee in the Transformer Department, Building 26-2.

Mr. Clare Knepple, an award of \$5.00 on a suggestion regarding placing guard on belt on slotter No. 8447, located in the Tool Making Department, Building 26-5. This machine was partially guarded, but Mr. Knepple, who works in the above department, suggested an improvement on the guards.

Mr. E. H. Lepper, an award of \$5.00 on a suggestion to equip centering machine No. 6515, located in Building 19-1, with movable "V" block. This device makes it easier for the operator on this machine, as it is unnecessary for him to lift a shaft when turning it to center either end. Mr. Lepper is an employee in the Induction Motor Department, Building 19-1.

G-E SQUARES NOTES

The past month has seen the arrival of practically all the remaining student engineers who have signified their intention of entering the student course at the Fort Wayne Works. A total of about twenty-five new men are recorded at the present time. It is from this group of new men that the G-E Squares organization draws its new life and increased activity; hence it is only fitting that the new men be welcomed to the Fort Wayne Works.

It was this reason that occasioned the recent annual banquet of the G-E Squares, held on Tuesday, August 12th, in Building 16-2. The usual splendid banquet was served in good taste and efficient manner. The quality of the food giving the new men preliminary assurance that in selecting Fort Wayne their choice was a good one, and the customary big black after-dinner cigars confirmed this. After the smoke had cleared away, President H. G. Hoglund gave a short talk, officially welcoming the new students in the name of the G-E Squares and assuring them of the fellowship and co-operation which the older men extend. Following the address of welcome, J. C. Porter outlined briefly some of the opportunities at the Fort Wayne Works, mentioning a number of the departments which have been active in absorbing men from the student course. L. O. Adams then gave a clever and original "term paper," written in a style employing dry humor and cynicism, in which he gave numerous reasons for the manufacture of different electrical apparatus manufactured at the Fort Wayne Works.

Several extemporaneous short talks, including some by the new men, completed the program.

The G-E Squares tennis tournament has progressed very smoothly in spite of the warm weather. The end of the first round shows the following winners: C. E. Bauman over Claude Beyer, J. C. Porter over K. H. Huyette, C. C. Davidson over J. E. Eitman, Karl Lagerlof over E. C. Thompson, and L. O. Adams over G. H. Stinson. Harmon Woerner and A. L. Steinkamp drew byes. In the second round Porter won from Bauman, Morrill from Woerner, Davidson from Lagerlof, and Steinkamp defeated Adams. This leaves Morrill vs. Porter, and Davidson vs. Steinkamp in the semi-finals, which matches are scheduled to be played soon. For the benefit of those who were unable to survive the preliminary matches, a consolation tournament is being planned.

G-E Squares are again unfortunate in the loss of a faithful attendant, R. G. Groot, Secretary of the organization, who for sometime has been in the Small Motor Sales Department. Mr. Groot has been transferred to the Chicago District Office. This is quite a loss to the G-E Squares, but we are unanimous in congratulating Bob and in wishing him success in his new work. Another of the boys, C. C. Davidson, soon expects to go west, where he will enter the services of the Utah Power and Light Company. Our good wishes go with him, too, and we hope that additional good-will between this company and G-E will result from this change.

It must not be forgotten to mention that one of the boys now bears the proud name of "Daddy." Harvey Rath, of the Transformer Engineering Department, just recently announced the arrival of a fine baby girl, and he is at present on vacation at his home in Minnesota, spending a couple of weeks there with his wife and their new daughter.

In last month's News we omitted mentioning that some of the boys spent an enjoyable two weeks at one of the citizens' training camp. Of the G-E Squares, H. G. Hoglund, E. M. Chellew and Wayne Morrill attended.

FOR SALE

Three brick houses on Broadway, between Swinney Avenue and the alley south of Building 19. Must be removed during October, 1924. Inquire J. E. Hall, phone 89.

G-E APPRENTICES

Most of us, when enjoying a vacation, pick or try to pick the most comfortable place we can. Not so with a quartet of the members of the Apprentice Department. It is just the other extreme with them. They would rather get in step with Uncle Sam and spend a few weeks tramping over the hills of Hardin County, Kentucky, among those almost mountains surrounding Camp Knox.

Joe Fitzgerald, Howard Fletter and

"Red" Pohlmyer are the ones who spent the month of July at the Citizens' Military Camp, but evidently Joe didn't get enough of it for he was back again, with Harold Garrison and William Mettler, at the National Guard Camp for the second and third weeks of August. The boys ought to be able to give everyone a few pointers on "Squads left," how many eyes in a potato, how to retreat gracefully, etc.

The first Monday of September marks the resumption of the regular monthly meetings of the Apprentice Association. No meetings were held during June, July and August.

Efforts are being made to secure a prominent speaker for the evening in addition to the usual entertainments.

AMONG OUR ABSENT EMPLOYEES

Louise Foltz, employed in the Standardizing Department, 19-5, is at present a patient at the Lutheran Hospital, having undergone a somewhat serious operation. Her friends and co-workers will be pleased to learn that the reports from her bedside are favorable. It is our wish, Louise, that you may enjoy an early and permanent recovery.

John N. Kress, of 2525 Broadway, who is a member of our Quarter Century Club, and also a civil war veteran, recently celebrated his 87th birthday. Mr. Kress had a reg'lar party upon the occasion of his birthday anniversary, and he was presented with a fine walking-stick and a box of cigars by ten of his comrades. Notwithstanding Mr. Kress' advanced years he is still able to be up and around considerably. We extend congratulations and best wishes to both Mr. Kress and his family.

Friends of Florence Anderson, who was formerly employed in the Shipping Department, Building 6-3, will be pleased to learn of her removal from the Irene Byron Sanatorium to her home, which is located in the Country Club Gardens, Route No. 7, Fort Wayne. We have been informed that Florence has made progress sufficient to warrant her taking this step, and it is our earnest wish, Florence, that this favorable condition will ultimately bring you to a realization of your former good health.

Lemuel Carpenter, who is an employee in Building 4-5, is at present a patient at the Lutheran Hospital, where he has had to submit to an operation. The report we have from Mr. Carpenter through the personnel representative, is good; he is getting along just fine. You have our best wishes, Mr. Carpenter, for a speedy recovery.

Hermine Simminger, whose home is at 1207 Park avenue, was a recent caller at the plant. Hermine, who has been absent for some time because of personal illness, is much improved and hopes to report for duty sometime in the near future. We wish you well, Hermine, and trust you will be in our midst soon. Hermine is employed in the G. O. Billing Section, Building 6-2.

MUSCLE SHOALS

General Electric Building Part of Electrical Equipment

Born of necessity during the stress of war and fostered during peace times by the certain knowledge that it would be of inestimable benefit to mankind, a triumph of engineering, the great Muscle Shoals project is being carried on toward completion.

Of the real Muscle Shoals project surprisingly little seems to be known generally. To many, Muscle Shoals is but a potential source of power which may be developed by private interests if the government decides which one of several bids for it is to be accepted.

What is Muscle Shoals? What will constitute the development there? What is the present status of this development? These questions, of interest to the country as a whole, should prove especially interesting to us of the General Electric Company who are closely connected with this great enterprise.

Muscle Shoals is a fifty-mile stretch of the Tennessee river which lies between Florence and Decatur, Alabama. This section of the river is not now navigable during periods of low water—or about one-half the year.

Briefly, the Muscle Shoals plant will consist of the great Wilson dam with its powerhouse which will develop enormous quantities of hydro-electric power, its locks which will aid in making the river navigable, the great nitrate plants, and two lesser dams—one a further power dam and the other an aid to navigation. The nitrate plants are completed. Wilson dam

is more than half finished. Work has not been started on dams No. 1 and No. 3.

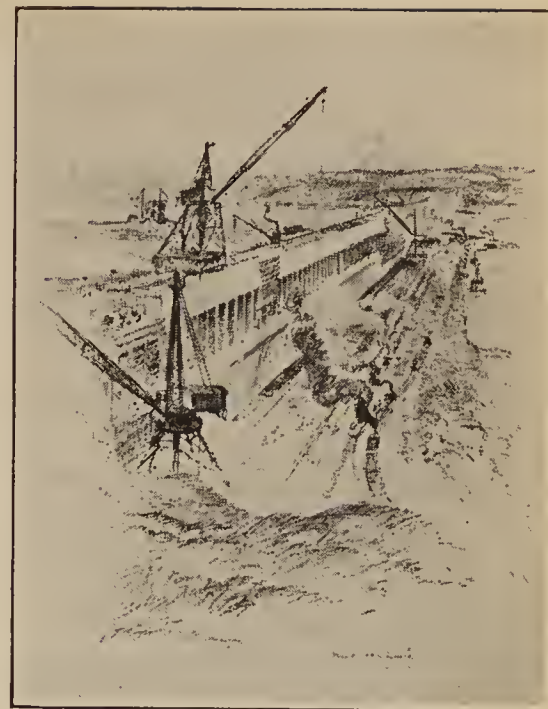
During the recent war the scarcity of natural nitrogen compounds, which are necessary in the manufacture of explosives, was a matter of grave concern. We were practically dependent upon Chile for our supply of nitrates, which we got in the form of Chile saltpetre.

The Muscle Shoals project was undertaken as the government's solution of its nitrate problem. United States nitrate plant No. 2, at Sheffield, but a mile from Wilson dam, was erected. This will be the greatest industrial user of the hydro-electric power which will be developed at Muscle Shoals.

But now that the war is history the manufacture of nitrates for munitions will give way in all probability to the large scale manufacture of low-priced fertilizer for farmers. Thus a gigantic wartime undertaking will become a great boon to American agriculture, but will be used by the government for the manufacture of nitrates in case of a future war.

Building the mighty Wilson dam, a task which has been undertaken by Hugh L. Cooper & Co., consulting engineers, under the direction of the War Department, is no child's play. Almost a mile in length, including the power house which is in reality part of the dam proper, and the locks, the massive structure now towers well over 100 feet above the river bed. When completed the dam will be 140 feet in height from its foundation to the level of the operating bridge.

Massive masonry piers now raise their bulks from the bed of the river. Tying these giant piers together are the spillways, great masses of concrete, over which will



rush the waters of the Tennessee. Here, working in the very river bed, are great cranes, giant concrete mixers, locomotives—and the men who make possible this tremendous feat of engineering. Pygmies—these men, when compared with the structure which their brain and brawn are erecting. Yet these men, and the machines which aid them in their Herculean labors, tell a vivid story of civilization's progress.

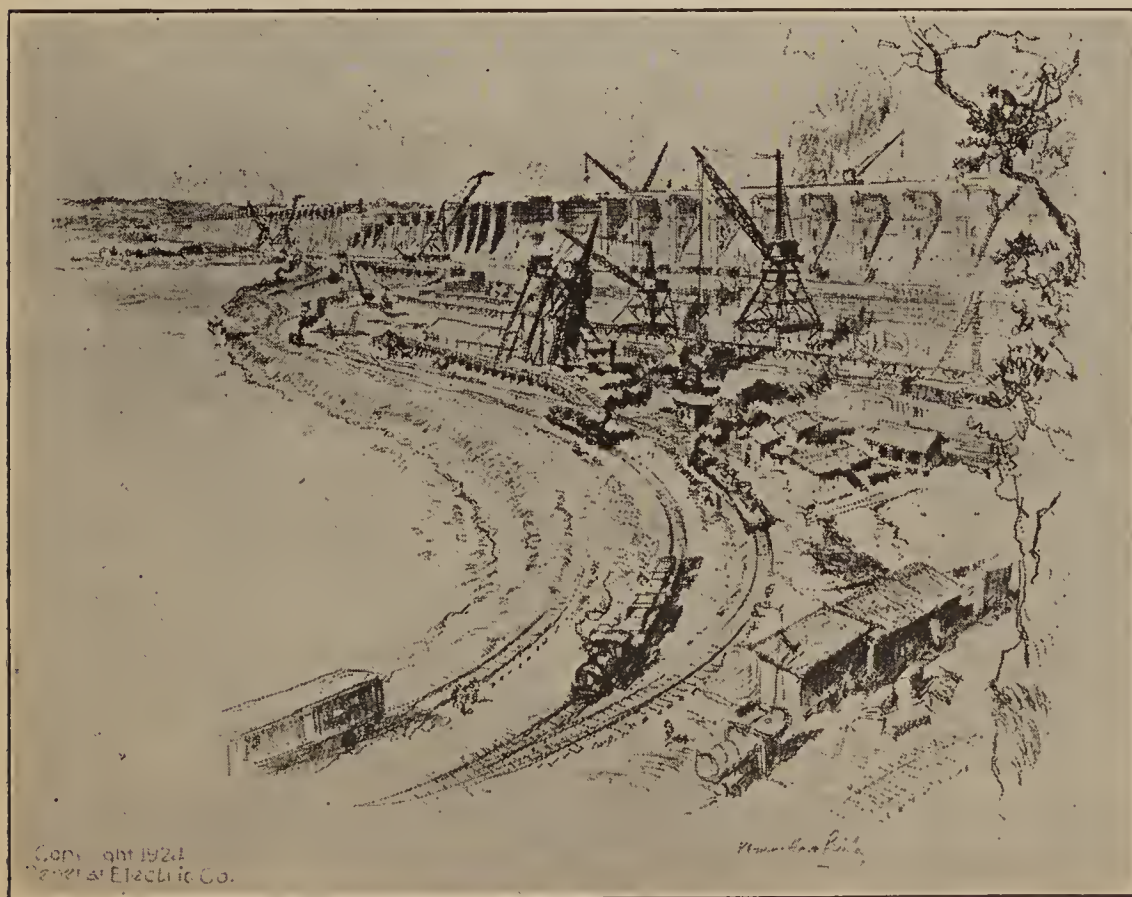
Wilson dam, Roosevelt dam, and the Panama Canal—here are some of the marvelous engineering feats of the present day. The great pyramids of Egypt, the Sphinx, and the temples of rulers of antiquity—they are the great engineering feats of ancient days. What a contrast the methods by which the old and the new were built and the motives which led to their being constructed, present!

Wilson dam, Roosevelt dam, and the Panama Canal, these and similar great works of modern times will labor for the good of mankind for centuries to come. They will stand as lasting memorials to men whose vision was such that they foresaw the benefits to mankind of vast power, irrigation, and navigation projects.

The pyramids and Sphinx have already stood the test of time. Through long centuries they have raised their bulks against the sky, proclaiming to the world the folly and greed of rulers of olden time. Of no good to humanity, save as they have become a Mecca for sightseers, these structures were built by men who toiled under the slave driver's lash. Without the aid of electricity and steam, without cranes and derricks, these monuments to selfishness were erected. Human life and human comfort were given a zero value, that rulers might satisfy their selfish pride. Such things can be no more in civilized nations. Instead, a government undertakes a Muscle Shoals project.

Barring unforeseen difficulties, the first unit of the Wilson dam power house, which will produce on the average 700,000,000

(Continued on Page 18)



Copyright 1924
General Electric Co.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Velma Arnold.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Verena Miller.....Decatur Works

REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
LaVera Vail.....Elex Club
Carrol Blincoe.....Apprentice Association
Russell Haruff.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. E. Hall.....Quarter Century Club
K. Szink.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
J. C. Porter.....G-E Squares
Josephine Zimmerman.....Absent Employees

Vol. 8 September, 1924 No. 9

ON another page is a tabulation of the results for the first six months of 1924 of the Suggestion System at the principal works of this Company.

This report reflects no credit upon Fort Wayne as it indicates clearly first, a small number of suggestions as compared to the number of employees; second, a small percentage of suggestions actually adopted, and third, limited value of awards.

The members of the Suggestion Committee assure me that they are anxious to increase materially the number and value of awards.

It appears, however, that while there are received frequent suggestions relating to safety measures and devices there are very few proposing changes in design or improvement in method of manufacture with resultant saving in cost.

These latter are the kind of suggestions that justify liberal awards.

I believe our Fort Wayne employees are quite as ingenious and resourceful as are those of the other plants.

Let us have

MORE Suggestions

Therefore more awards;

MORE Suggestions effecting savings in cost

Therefore larger awards.

The employees of other works are earning handsome awards; why is Fort Wayne failing to get its share?

(Signed) WALTER GOLL.

Bond subscriptions placed by local employees in August of last year were paid out August 30th. According to present plans there will be no further opportunity offered this year for employees to subscribe by the deductions from the payroll plan. If you have been employed by



Employees 7% Investment Bonds

Schenectady, N. Y., August 25, 1924

To Employees Holding 7% Investment Bonds:

In order to give you the benefit of the larger return which G. E. Employees Securities Corporation bonds yield, you may exchange your "Employees 7% Investment bonds" into an equal amount, at par, of "G. E. Employees Securities Corporation bonds."

Employees who now hold "Employees 7% Investment bonds" may, after September 1, 1924, receive in exchange an equal amount, at par, in "G. E. Employees Securities Corporation bonds" with a yield of 8% per annum, even though they may have already subscribed to the maximum of \$500 of these bonds for 1924. An adjustment of the interest accrued on the respective securities will be made at the time of the exchange.

Works employees should turn in their bonds, through foremen or department heads, to the works accountant who will arrange for the exchange of the securities. District and local office employees should forward their bonds to the district or local auditor. General Office employees should present their bonds to the Treasurer at Schenectady for exchange.

It will be appreciated if employees desiring to take advantage of this opportunity of increasing the return on their investment will present their "Employees 7% Investment bonds" for exchange promptly. This offer of conversion expires on November 30, 1924.

Gerard Swope,
President.

PLACARD G. I. 40.7a 1700 8-25-24

the Company for six months or longer and are thereby entitled to purchase these bonds, this need not keep you from securing your allotment of \$500.00 worth of bonds this calendar year.

The bonds are available in denominations from \$10.00 up and can be purchased for cash at any time. See our Works Cashier, third floor of office Building 18. He will determine your eligibility to buy and will secure bonds for you in exchange for your cash.

OVER A MILLION DOLLARS IN SUPPLEMENTARY COMPENSATION DISTRIBUTED

Employees of the Fort Wayne Works received \$56,000 of the more than a million dollars supplementary compensation

which was paid, on August 4th, to employees who have been with the Company continuously for five, or more, years. The payments are for the six months' period ending June 30, 1924, and amount to five per cent of the earnings of the employee for that period.

A total of 27,412 employees in all works and offices of which 1,563 were Fort Wayne Works employees, shared in this distribution which was paid, in the main, in bonds of the G-E Employees' Securities Corporation. The total amount paid was approximately \$1,172,000.

The amounts paid in the larger works outside of Fort Wayne are as follows: Schenectady, \$466,000; Pittsfield, \$107,000; Lynn (River Works), \$143,000; West Lynn, \$56,000; Erie, \$53,000; Bloomfield, \$19,000; Edison Lamp Works, \$54,000; National Lamp Works, \$70,000; all other works, general offices, and district offices, \$148,000.

SUMMARY OF M. B. A. SECTION'S FINANCIAL CONDITIONS SIX MONTHS ENDING JUNE 30, 1924

Balance in Bank, December 31, 1923.....\$10,655.02

RECEIPTS

Interest received\$ 165.04
Dues received 13,973.78
Loans 100.00
Other sources 307.86

TOTAL RECEIPTS 14,546.68

DISBURSEMENTS

Disability benefits\$12,358.19
Paid to General Fund 2,853.10
Loans paid to General Fund 1,150.00
Other purposes 164.51

TOTAL DISBURSEMENTS 16,525.80

Balance in Bank, June 30, 1924.....\$ 8,675.90

Number of disability claims paid 549
Number of days lost by sickness 7,187
Number of sections not assessed full time 20
Number of sections assessed full time 10
Average amount benefits per claim \$22.51
Average cost per half year per member 3.77
Average disability paid out per member 3.33
Number of sections 30
Number of members 3,703
Number of members in Class 1 506
Number of members in Class 2 3,197
Number of employees 4,443
Per cent of employees members 83.6%
Per cent of employees members at Fort Wayne 83%
Per cent of employees members at Decatur 85%
Per cent of employees members, male 89.2%
Per cent of employees members, female 65.6%

The General Fund has \$2,500 invested in General Electric 7% Bonds and \$1,000 in notes from various sections for money advanced to them.

SUMMARY OF GENERAL FUND

January 1, 1923, to June 30, 1924

Balance on Deposit, January 1, 1924.....\$1,099.03
Total Receipts 2,994.81
Loans Paid by Sections 1,150.00
.....\$5,243.84

DISBURSEMENTS

Nine (9) Deaths \$1,600.00
Flowers 35.00
Refund to Section 1 44.58
Loan to Section 22 100.00

Total Disbursements \$1,779.58

Balance on Deposit June 30, 1924 \$3,464.26

EDUCATION AS A FACTOR IN SUCCESS

It is well established in the operation of a manufacturing organization that a trained man is of more worth than one without training. Any building up of the mental faculties awakens interests in and creates a new outlook upon the daily tasks which a man is engaged in. Therefore, a trained worker is actually a more productive worker.

Above this seemingly selfish motive in the desire of the General Electric Company that its workers be more thoroughly trained is the real need for men to fill the positions of more responsibility left vacant by the rising of others in the scale and by the inevitable passing away of the older men.

No person would consider the establishment and operation of a business in some foreign country without first learning the language of that country. Algebra, trigonometry, mechanical drawing, and such elementary subjects are the language of engineering. A reading and writing knowledge of them is necessary if a man expects to successfully operate in competition his own one-man organization. That is, plainly, if you ever hope to do anything above the common routine in the business of electrical manufacture you must learn something of the language that will enable you to talk in terms of the bigger jobs.

It is universally true that the men in

industrial organizations do not have more than the eight grades of common school education. This training is essential in understanding and performing their work and without it they would be greatly handicapped. More advanced training will be just as valuable and will produce returns in dollars and cents just as does the earlier training. The subjects presented in the General Electric Company Night School are important parts of the language of electrical work and are an aid in understanding the more involved operations.

Do not be deceived into believing that anything of permanent value can be gotten for nothing. Reading a set of electrical guides, though profitable, can only give the vaguest ideas about the workings of electrical apparatus unless there is present the ability to understand the discussions given. In the interest of more efficient and greater production and in the personal success and contentment of the people in its organization, the General Electric Company offers courses in the Night School in the subjects necessary to advancement. These opportunities cannot but be profitable to the man who pays the price in study.

"The attitude of the management of the Fort Wayne Works towards graduates of our Technical Night School has always been one of great interest and appreciation. It has not, however, been feasible in many cases to extend tangible reward or advancement to such graduates, but from

now on the Educational Department of the Industrial Service will circularize and keep before our department heads the names of all who graduate. This publicity, it is felt, will help in a great measure."—E. A. Barnes.

A SELF EXPLANATORY LETTER

Editor Fort Wayne Works News:

As it is about time when various schools are preparing to resume their educational activities, I am prompted to express my opinions on, or rather my appreciation of, the splendid opportunities offered to employees by the General Electric Night School.

I remember one Sunday last winter I was "listening in" on my radio to a church service broadcast by the General Electric station at Schenectady. In starting his talk the minister stated that the services were being broadcast by the General Electric Company and thus many people would be reached who otherwise would not be able to profit by the sermon and services. Continuing, he said, "Thank God for the General Electric Company." I believe those words were repeated in many hearts. With some it was for the service offered by the radio; with others it was for employment and means of a livelihood afforded so many thousands by the General Electric Company; but I believe that those who were most thankful of all were the G-E employees who, like myself, had taken advantage of the General Electric Night School.

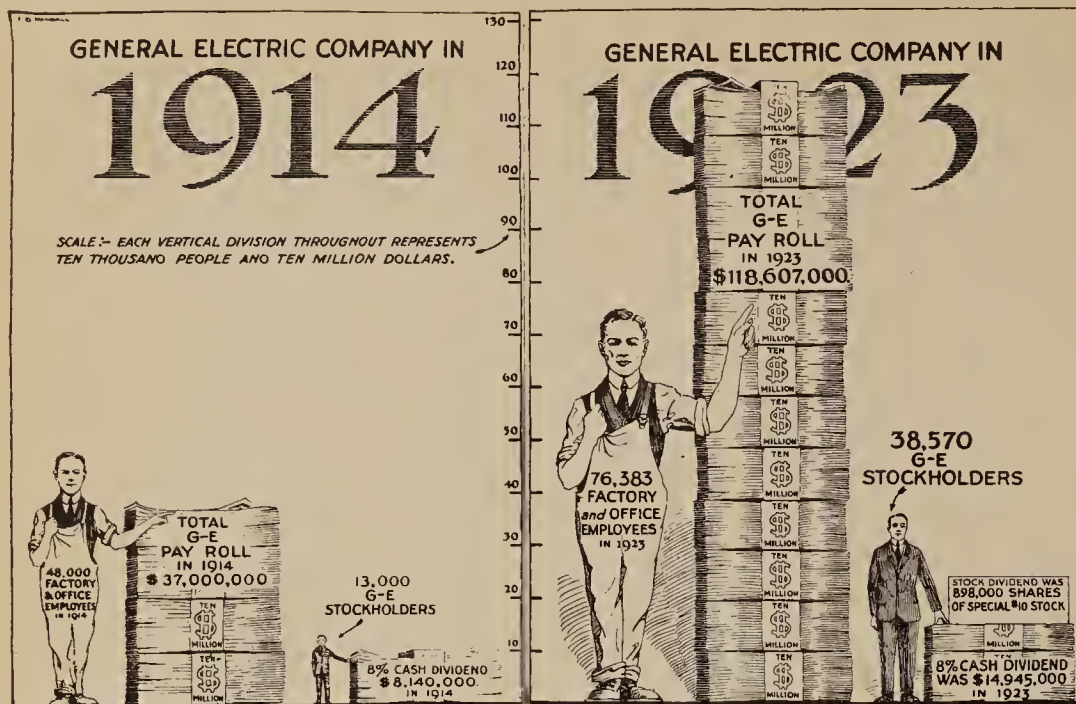
I wonder how many of our fellow employees realize what good work is being done by the General Electric Night School; enabling the students enrolled there to gain knowledge and training which otherwise they would be unable to acquire. A training that will fit them for a more responsible position, which is synonymous with a larger pay envelope. If they all knew and appreciated the work as those of us who have attended the school do, then I think Mr. Hockett would have to make an extensive addition to his classroom and teaching force to handle all the students.

In speaking of the teaching force I cannot refrain from saying a few words of praise for the instructors, Messrs. Thuesen, Adams and Groot, under whom I had my work. I have attended night schools in other places and nowhere have I met the equal of these instructors. Although I did not know Mr. Rath personally I believe that he is the equal of those with whom I came in contact.

Using the parlance of the street, they "know their stuff," yet they have a way of mingling with the students and lending a helping hand wherever necessary, and seemingly become a part of the class. The manner in which they presented the work last year made it very interesting as well as instructive.

Volumes could be written commending the night school, but I will close by saying that I hope you will find space in the Works News to publish these few words of well deserved praise.

(Signed) CARL A. ERTLE,
Automatic Inspector, 4-3.



SOME GENERAL ELECTRIC FINANCIAL RELATIONSHIPS

By C. M. Ripley

The above drawing gives nine pertinent facts regarding the growth of the General Electric Company over a period of nine years. The height of the men and the height of the money are all according to the scale shown, i. e., each vertical division represents ten thousand people and ten million dollars.

In the nine years, 1914 to 1923, the number of factory and office employees has increased from 48,000 to over 76,000.

The number of stockholders has increased from 13,000 to 38,570, of whom 6,000 are employees. The payroll has increased from \$37,000,000 in 1914, to \$118,607,000 in 1923.

Those who desire to figure it still further can divide the total payroll by the number of employees and see what the average employee receives. The payroll figure includes all employees from the president along the line to the sweeper, including office and shop, manufacturing, selling, advertising, and all clerical help.

The cash dividends increased from \$8,140,000 to \$14,945,000. The stock dividends for 1924 consisted of 898,000 shares of special General Electric stock with a par value of \$10.00 each. The stock dividend was not money—but shares of special stock. This special stock pays a cash dividend of six per cent per annum, which, in 1924 will amount to \$538,800 or 1.9 cents per day per employee. That is, the amount of money in 1924, which will be necessary to pay the cash dividends on the stock dividend of 1923, will be less than two cents per day per employee.

See G-E Night School
Registration Blank Included
With This Issue

GROUP LIFE INSURANCE

Deaths Reported for July, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
Edward M. Jones	June 23	Wife
Patrick O'Connor	June 28	Wife
Ennis R. Coutant	June 29	Mother
Raymond A. Coutant	June 29	Mother
James E. DeLong	June 29	Wife
Richard Conkling	July 5	Wife
Wilfred Campbell	July 7	Wife
Otto Schlientz	July 24	Wife
Michael Tempany	July 24	Daughter
Victor Jann (Cin Off)	July 1	Wife
<i>River Works</i>		
Daniel J. Callahan	June 24	Wife
Henry J. Copenhagen	June 24	Wife
Roland Piggren	June 24	Wife
Joseph Balkus	July 12	Wife
Patrick Blaney	July 16	Wife
Alexander Olzendam	July 23	Wife
<i>West Lynn Works</i>		
James Crulas	Jan. 29	Wife
Edgar F. Sanger	July 16	Wife
<i>Pittsfield</i>		
Michael Ziak	July 3	Wife
Perry S. Helms	July 15	Wife
<i>Fort Wayne</i>		
Allene C. Wolf	May 30	Mother
<i>Erie</i>		
Ignac Liebert	July 9	Daughter
<i>Bloomfield</i>		
Patrick Zicaro	July 8	Mother
Total—23 deaths		\$31,750

WATER-WHEEL DRIVEN GENERATORS

One of the very interesting productions of our local plant is the Water-Wheel Driven Generator, built in Building 19. A group of three of these alternating current generators is illustrated in the accompanying cut. Fundamentally they are a development of the belted alternators designed at this plant and which have been built here for many years past. The vertical construction is a requirement incident to the water-wheel service. The direct connected EF exciters which so nicely fit in with the alternator design are also a development of the engineers at our Fort Wayne Works and are a product with which employees of the apparatus section of our plant have long been familiar.

An interesting feature in connection with these alternators is that many of them will be direct-connected to water-wheels in remote sections where relatively small amounts of water power are available. There will be no regular attendants at the stations where the machines are operated, but instead the machines will be controlled either automatically or semi-automatically from the central station, many times located miles away from the place where the generator is installed.

Special features are arranged for these generators to accommodate speed limiting controls and temperature relays, the latter protecting the generator from damage due to over-heated bearings. These protective devices, manufactured elsewhere in our organization, either automatically shut down the generators or indicate the impending trouble to the station attendant.

The generator at the left of the photograph is a 10-pole, 225 kv-a, 240 volt machine, while the other two which appear to be somewhat smaller are 10-pole, 300 kv-a, 2300 volt machines. These particular machines are designed to run at 720 r.p.m. and are known as type ATB, form PBV alternators, equipped with direct connected type EF direct current exciters. The machines in the photograph were furnished



WATER-WHEEL DRIVEN GENERATORS BUILT IN OUR PLANT

on requisitions Syr-82071 and C-248002. No doubt many employees on the first, second and third floors of Building 19 will recall doing work on these machines.



DECATUR SECTION

Punch Press and Tool Room Departments' Picnic

On Friday night, August 22nd, about one hundred people enjoyed a picnic given by the Punch Press and Tool Room Departments of the Decatur Works. The Willshire Band, under the direction of Mr. Roxy Stuttler, furnished the music for the occasion. Mr. Charles Fisher whistled several selections.

Mr. Cash Lutz, official announcer, called the program, which was as follows:

Cracker Contest—L. Baker, Jess Niblick, Tibie Gehrig and Charles Fisher, participants; Fisher, winner.

Candy Contest—L. Baker and Jess Niblick, participants. Each one had to chew three and one-half feet of string to win. Baker, winner.

Lightweight Boxing Match—Baker and McBarnes; Baker, winner.

Lightweight Boxing Match—Baker and Fisher; Fisher, winner.

Heavyweight Boxing Match—Harry Yahne and Mike Kimble, 10 rounds, draw. Blackburn, referee.

Watermelon Contest—Lawrence Beal, Chalmer Ray, Tibie Gehrig, and Charles Fisher, participants. Had to keep hands in pockets while eating. Fisher, first.

Many others enjoyed the horseshoe pitching court. After the contests were over the band played several selections and then the refreshments were served. The invited guests were Mr. Lankenau, Mr. Gage, Mr. Lutz, Mr. Kohls, Mr. Braun, and Mr. Fruechte.

Department Gave Annual Picnic

On August 15th the Winding Department of the Decatur Works held its annual picnic at Belmont Park. A general invitation was given to all the factory employees. There was lots of food and everyone enjoyed it. Those present are looking forward to the next one with longing and those who missed it are planning to go to the next one.

Gecode Lake Trip

On July 19th, twenty Gecode Club members went to Rome City to spend the weekend. They stayed at the Triplett hotel. The girls left the Works early Saturday morning and returned to their respective homes late on Sunday night. During the day the girls enjoyed swimming, canoeing, and hiking. In the evening they spent the time dancing at the Passengers' Launch. Among those present were the Misses Ethel



GECODE CLUB GIRLS AT ROME CITY

Miss Ethel Tumbleson, Naomi Debolt, Dora Hendericks, Emma Guth, Lina Guth, Gladys Reffey, Alma Andrews, Daisy Girod, Fern Passwater, Frances Girod, Frances Gault, Leota Burnett, Mrs. Fisher, Vera Eady, Martha Carpenter, Glen Ayres and Bernita Tanvas.

Tumbleson, Bernita Tanvas, Naomi Debolt, Glen Ayres, Dora Hendericks, Martha Carpenter, Emma Guth, Lina Guth, Vera Eady, Mrs. Fisher, Gladys Reffey, Leota Burnett, Alma Andrews, Frances Gault, Daisy Girod, Frances Girod, and Fern Passwater.

Girls Enjoyed Pot Luck Supper

On July 29th the "Pep Champs," a club of General-Electric girls from Decatur, went to the home of Mrs. Anthony Kohne in a G-E truck for a pot-luck supper. After the meal was over the girls spent the remainder of the evening playing games of their childhood, such as ball, drop-the-handkerchief and leap-frog. Miss Fern Passwater was the star in the ball game, while Lina Guth took the honors in leap-frog.

At 9:00 o'clock the truck returned for the girls and they were returned to their respective homes.

Marshmallow Toast

Miss Fern Passwater entertained the "Pep Champs" with a marshmallow toast at her home on Madison street, on August 4th. The evening was very hot and so the girls cooled off with pop and ice cream. Everyone present had a delightful time.

Vacation Notes

Miss Billy Hendericks has returned to her duties after a two weeks' vacation. The first week in August, which was the first week of her vacation, she had her tonsils removed. The second week she had a better time; she went to Chicago.

Miss Vera Eady of the Pay Roll Department, spent the last two weeks in August in southern Indiana. Miss Clara Stevens, of the Fort Wayne Works, filled the vacancy.

Frank Braun, foreman of the Assembly Department, returned Monday after spending two weeks in the eastern provinces of Canada.

Charles Langston, foreman of the Inspection Department, returned to his duties last Monday after spending two weeks with his wife at Denver, Colorado. They visited with Mr. and Mrs. Charles Saunders, formerly an employee of the Decatur Works, but who went to Denver for his health.

Cal Wait and Alvin Buffenbarger spent the next to the last week in August taking a vacation.

Suggestion Awards

C. C. Reynolds received an award of \$10.00 on a suggestion regarding a tool for tightening acorn nuts when assembling S.A. motors. Mr. Reynolds is an employee in the Decatur factory and he noticed that some time might be saved by using a special wrench for tightening the motor clamp bolt nuts.

THE SAFETY VALVE

"I'll help," is the spirit that reduces accidents, makes a winning baseball team or accomplishes any other worth-while purpose.

The shortest way of spelling "cooperation" is "we."

Hang a horseshoe over the door if you are superstitious, but fasten it so it won't drop on anybody. And don't expect it to take the place of carefulness.

"Rastus, I see your mule has 'U. S.' branded on his hindquarters. Was he in the army?"

"No boss, dat 'U. S.' don't stand for 'Uncle Sam,' it means 'Unsafe'."

Girls Department



Miss Henderson Receives Birthday Gift

On Wednesday, August 13th, Miss Mary Henderson, time clerk in the Transformer Welding Department, Building 27, had a birthday. The employees of the department found out about it and set about to give her a little surprise. Accordingly, Mr. Dwight D. Morse, of the Welding Department, was called upon to give a speech and the employees united in purchasing a gift.

Then on this particular Wednesday at noon, while Mary was out for lunch, the men improvised a platform for the speaker; some benches for the audience, comprising the employees of this department, and a seat of honor for Mary. When she returned she was greeted and persuaded to join the party. Then Mr. Morse arose and gave the following speech:

"Ladies and gentlemen, all of you know, as I know, that I am not a speaker. That I am nothing but a common, ordinary, everyday welder, taking the place of a speaker only to fill this occasion, and that I, in the second place, am lacking a rapid functioning vocabulary such as is necessary and most essential for a successful public speaker. So if there are any here with the expectation of listening to an elaborate speech or a famous oration, I wish to warn you that you will be disappointed."

Turning to the birthday celebrant, the speaker continued:

"Miss Henderson, speaking for this little group of friends, I wish to give you a birthday address on this thirteenth day of August in the year of one thousand nine hundred and twenty-four.

"Somehow the number thirteen, to some people, is claimed by the believers in myths to be of a very unfortunate nature, but the full-fledged Americans claim that for you it is far from such.

"There grows upon me at this moment, the realization of an unusual sense of 'visitation.' Some of you might wonder why I would use this phrase on this occasion, and so to that, I have this to say. It was many, many days ago, yes months and even years ago, that on this same day, which was the thirteenth day of August in the year of one thousand nine hundred and four, that good fortune presented to us a visit by a little girl whose name was Mary. After calling upon us, this same young lady, through the will of a Higher Power, was permitted to remain with us. We are assembled here today to show our appreciation in behalf of this extended companionship.

"It is futile to speak for those who cannot hear, sorrow for those who do not know, or to censor those who are dead. Every service, every memorial, every dedication is for the living, a part compensation for some great sacrifice, or to recuperate and replenish those troublesome

moments with happiness. And so we find that on this thirteenth day of August, one thousand nine hundred and twenty-four, a great pleasure is extended to us. It is through this visit of twenty years ago today that we are allowed to show our appreciation of days gone by.

"We have selected for this purpose an unbreakable, fluidless, writing point, and with it goes our best wishes for accuracy and success in any of its future enterprises. Hoping that we may all be together again on this date in the year nineteen twenty-five, I ask you, Miss Henderson, to accept from us this little gold-filled Schaffer pencil as a birthday remembrance, contributed by this little group of friends encircling you."

After the gift had been presented and Miss Henderson had thanked the givers, the speaker concluded:

"We wish you a long and happy life, with good health and prosperity in abundance."

As this speech gives the whole of the story of this gift, nothing else need be added, except that Mary was both a surprised and appreciative girl after the party.

Payroll Department Picnic

A number of girls from the Payroll Department enjoyed a picnic supper at Trier's Park on Friday, August 1st. The girls went to the park directly from work, each one taking her own lunch. Games were played and the different amusements afforded the girls much pleasure. After supper the following indulged in dancing: The Misses Traxler, Ruby Douglas-Kuhn, Eva Overly, Mary Martin, Erma Summers, Clara Stevens, Rosalie Kiep, Josephine Wehrle, Dolores Orr, Lillian Stuckey, Edna Sarrazen, Leota Bosell and Catherine Neeb. A good time was had by all present.

The Girls on Our Cover Page

Following are the personal sketches of the girls whose likenesses appear on the front cover of this Works News:

Mrs. Carrie Neuenschwander, of the Induction Motor Department, Building 19-2, winds induction motor stators; that is, she inserts the formed stator coils as her regular work, and on this job she is particularly speedy. It is said that it takes a pretty good man to keep up with Carrie day after day in this work. But she also knows how to connect these stator coils and does this whenever there is none of her regular work to do. Moreover, Mrs. Neuenschwander has done nearly all the operations incident to the making of stator coils, so it is seen that she is an all-around girl, wherein induction motor coil work is concerned. During this coming winter Mrs. Neuenschwander will have completed seven years of service here at the G-E.

Miss Flora Gilmore, of Building 17-4, first made the acquaintance of the General Electric in the year 1912, when she started reinforcing SDA armatures in the Winding Department in Building 10-3. Later, for a time, she did placing, inspecting and

assembling work on sewing machine motors and then returned to SDA winding work. On becoming very proficient in handling the winding machines, Miss Gilmore was appointed a leading operator on finished operations, which position she holds at this time. Incidentally, we might mention that Miss Gilmore has a sister, Clara, who is a leading operator in the large armature winding department, Building 4-5.

Miss Martha Bergman began her career at the General Electric Company in 1913, stacking fractional horsepower motor cores. After a few months she was transferred to the Meter Department, where she assembled type K-5 meter frames. In 1916 Miss Bergman was transferred to work in the Fractional Horsepower Motor Department insulating RSA field cores. Here she learned the art of winding fields and served as a leading operator in RSA field winding for seven years. She is an expert winder, being able to do both hand and machine winding. At present she is working in Building 4-5, where, under Foreman A. L. Foellinger, she is in charge of repairing type RSA motor fields.

Miss Emma Reiling is another Fractional Horsepower Motor Department girl with almost eleven years of service to her credit. Soon after she came here she had the ill-luck of being laid off for a short time on account of lack of work; however, she was soon sent for and returned to do inspection work on coils for the Meter Department. A few months later she was transferred back to the Fractional Horsepower Motor Department to do hand winding on some of the most difficult winding jobs. Here she learned machine winding and was soon an expert on both kinds of winding work. She is now employed in the Experimental Department, Building 17-4, winding model and experimental fractional horsepower motor armatures of all kinds. In fact, she finishes up the armatures on which she works, for she insulates, wedges, checks, inspects and tests all armatures that she turns out, which proves that she is a resourceful and highly dependable girl.

Miss Eleonor Plock has been engaged in the mica and insulation work under Foreman F. G. Fleming since in May, 1906. During this time she has become very proficient on all classes of this insulation work. Practically all of this work is hand work, hence the hustle and whirl of machines is lacking here. Nevertheless, there is chance for speedy and clever work in the making up of the various shapes and kinds of insulation, and Miss Plock has demonstrated unusual ability in this line, many, many times. When she is assigned to a job she can be depended upon to do it promptly and do it right. Miss Plock can be found regularly at her place among the girls on the third floor of Building 10.

Miss Catherine Wise came to us in 1916 from the Wayne Knitting Mills and her first work was in the old laboratory in Building 16, where she learned to assemble meter elements. She showed marked ability in this work and accord-

ingly was taught almost every job in the department. In 1917 she went with the department into the new quarters in Building 19. At that time many new winding machines were installed and as is usually the case, some difficulties were encountered in operating them. On being given the opportunity to assist in the development and operation of a new semi-automatic current coil winding machine, Miss Wise's painstaking efforts and suggestions as to changes were instrumental in ironing out the troubles and in getting this machine to produce better coils and at four times the rate at which they were produced on the older winding machines. From that time on it was Catherine who always was given new jobs and machines to try out. She was also assigned to various detail assembly jobs on initial orders going through the shop and on this work a course she had taken in blueprint reading and mechanical drawing served her in good stead. Her faculty for teaching others, coupled with her pleasing personality, lead to her appointment as leading operator in the department where she worked. As such, she has supervision over about fifty girls and is responsible for the production of sub-assemblies involving several hundred different operations, all of which she is capable of performing. It is not surprising, therefore, that Miss Wise should be selected as one of the outstanding girls in our factory.

Mrs. Carrie Cruse, of the Fractional Horsepower Motor Department, is an observer in the time study work. This position requires a thorough knowledge of winding, so that when making observations and timing operators, all working conditions, difficulties and delays may be given just consideration in the reports on which piece work rates are based. Mrs. Cruse secured her knowledge of winding first hand from working in the AC armature and RSA Field Winding Department. Becoming an expert winder, she was appointed an instructor and leading operator, a position she filled for six years before her appointment as observer in the time study department. Mrs. Cruse at one time left the employment of the G-E, but we are glad to say that she came back after a few years to capitalize the value of her previous training in small motor winding work.

Miss Bessie Chapman is a representative of the Transformer Department, although she started here on the work of taping meter coils and later served in the Small Coil Winding Department, winding meter and fractional horsepower motor as well as miniature transformer coils. When the Small Coil Winding Department was divided, Miss Chapman went to the Transformer Department. Here she has done various kinds of work, such as winding, inspecting, supervising and even clerical work. Miniature transformer winding and assembly work has been a special study with her and as a result she is exceptionally well posted in this line. Besides knowing her job she takes pride in always being at her place in the Works. Her attendance record is almost a perfect one, and in the nineteen years she has been

an employee of this Works she has been late but four times. Miss Chapman's record is one that many of us would do well to emulate.

Miss Irene Meyers was engaged as a blueprint clerk about five years ago, but she soon asked for a transfer to the factory as a machine operator. She is still employed in the capacity as a machine operator and is very speedy on this work. It is in the well-being of the girls about her that Miss Meyers is particularly interested, and has devoted a large portion of her own time to welfare and religious activities. Irene is vice-president of the Elex Club and is secretary of the Industrial Girls' Federation, an organization sponsored by the Y. W. C. A. For three months this summer, during the illness of Miss Irene Fox, she assisted in personnel work for the Meter Department. Miss Meyers deserves considerable credit for her departmental leadership and for the success of department parties and outdoor picnics given by the Meter Department during the past year.

Mrs. Alta Bause, an employee here since the early part of 1918, was the first girl to take intensive training as an operator of the fine wire insulating machines under Foreman H. E. Hire. Operation of fine insulating machines is a highly specialized work, for in addition to the fact that there are sixty to seventy lines of wire to watch as they take their single or double covering of cotton or silk, it is of utmost importance that the tension on the hair-like sizes of wire (.002 to .009) be not excessive, as the wire may be easily stretched and ruined. By her skill and careful attention to duty in handling these machines now located in Building 17-4, Mrs. Bause has made an enviable reputation. Her good work in properly insulating the wire is a contributing factor in the high quality of our motor, transformer and meter products which utilize such wire.

Mrs. Dora Hendricks is now a representative of our Decatur plant, but she started work in our Fractional Horsepower Motor Department here at Fort Wayne. After working in the plant here for seven months, Mrs. Hendricks had become very proficient in small motor winding. At that time the Decatur plant was ready for operation and Mrs. Hendricks was transferred to Decatur as an instructor and credit operator under Foreman William Kohls. She has been very successful in this work and is considered as one of the most reliable and able employees in the organization at the Decatur plant.

Miss Dewey Wickliffe represents the Apparatus Section of our factory, as she is an armature winder in Building 2-3, under Foreman Norman Prince. Her first assignment was as a field coil tester, but it was only about two years later she was selected to try out the job of winding direct current armatures in the apparatus sizes of machines. Miss Wickliffe has more than made good on the job. While doing this work she has noted the work going on about her, until she is capable of working on all the operations incident to the building of an armature. Miss

Wickliffe's record is evidence that a girl may undertake with success, much of the work that in earlier days was considered as only jobs suitable for men to do.

Miss Eva Beckman, of the Meter Testing Department, Building 19-5, has been doing the very responsible work of checking the accuracy of a number of the types of our demand meters. But her first work here was of a very different nature, that of polishing pivots and straightening shafts for watt-hour meters. In fact, her next job was even less related to the work on which she has lately been engaged. This time it was insulating armatures in small motor work. Several years ago Miss Beckman was transferred to the Meter Test Department, and it was here as a meter tester that she received the training that lead to her advancement to the more responsible task of checking demand meters. Miss Beckman took an active interest in meter testing and demonstrated her ability to do this highly accurate work. Miss Beckman is well known throughout our whole organization, particularly through the active part she has taken in girls' athletics and in the Elex Club.

Miss Ethel Tumbelson is also a representative of the Decatur plant, where she holds the position as instructor and credit operator. Miss Tumbelson started in the General Electric's employ as an inspector at the Edison Lamp Works here at Fort Wayne. In August, 1920, Miss Tumbelson secured a transfer to the Decatur plant and was employed in the Winding Department at a time when the plant was doing small transformer work. She was soon advanced to the position of leading operator and later to the position which she now holds. She has lately completed her fourth year as an employee at the Decatur Works.

Vacations

Miss Agnes Wehrle left July 26th to spend one week visiting in Milwaukee, Chicago and the Dells in Wisconsin.

The Misses Gladys McMillan, of Building 8-2, Helen Van Auken, of Building 2-3, Viola Haggerty, of Building 17-2, and Edna Etzler, of Building 2-2, spent July 26th and 27th at Crooked Lake, Indiana.

Miss Helen Brown, of the Meter Department, spent the week beginning July 26th at Lake James, Indiana.

Miss Naomi Votaw, clerk in the Meter Inspection Department, Building 19-4, left August 2nd to motor to Niagara Falls and other points of interest.

Miss Mildred Carpenter, of Building 19-5, spent the time between July 26th and August 11th, at Silver Lake, Indiana.

Miss Esther Brenner, entry clerk in the Meter Manufacturing and Standards Department, spent the last week in July and the first week in August at Lake James, Indiana.

Miss Alma Witte, of the Meter Engineering Department, returned to work on August 4th, after enjoying a two weeks' vacation in southern Indiana and Kentucky.

Miss Alma Olson, comptometer operator and clerk in the Warehouse Superintendent's office, left on August 2nd to enjoy a two weeks' vacation visiting Niagara Falls.

Miss Bernadine Herganrather, time clerk in the Meter Department, spent the last week in July at Rome City.

Mrs. Leona Sundsmo, of the Meter Department, spent the last few days in July visiting friends and relatives in Chicago.

Miss Rosina Brust, of the Meter Testing Department, spent the last three weeks in July visiting her parents in Mt. Carmel, Illinois.

Misses Hilda Ulmer and Hazel Ryan, of the Meter Production Department, spent several days during the last part of July at Louisville, Kentucky.

Mrs. Godfrey Eddman left July 26th with her husband to enjoy a two weeks' vacation at Niagara Falls and other eastern points of interest.

Miss Mildred Smith, of the Field Coil Winding Department, left August 2nd to enjoy a two weeks' vacation at Lake James.

Miss Helen Wilhelm, of the Field Coil Winding Department, spent the first two weeks in August visiting friends at Decatur, Indiana.

Miss Esther Quinn, of the Distribution Department, spent the first two weeks of August visiting Lake James and Michigan.

Miss Dorothy Bixler, of the Pay Roll Department, returned on August 18th from a two weeks' vacation enjoyed at Clear Lake.

Miss Edna Welch, of the Order and Stock Department, enjoyed Rome City for the first two weeks in August.

Miss Edna Moody, of the Small Motor Department, left for Clear Lake on August 2nd to spend two weeks.

Miss Cora Graham, of the Meter Department, left on August 2nd to enjoy a vacation at The Shades.

Miss Clara Lehmbeck, of the Meter Production Office, visited in Ohio for the first two weeks in August.

Miss Lillian Reusser, of Building 2-2, spent the month of August visiting her parents at Petoskey, Michigan.

Mrs. Jessie Hall, of the Shipping Department, spent the first two weeks in August visiting Indianapolis and other cities of interest in Indiana.

The following three girls from the Small Motor Department spent their vacations the first two weeks in August as follows: Miss Edith Kattee, in Chicago; Miss Viola Grover, with her family in Michigan, and Miss Bertha Rodewald, at Lake James.

Miss Marcella Schulte, of the Shipping Department, spent the two weeks beginning August 9th, in Chicago.

Miss Goldia Tatman, of Building 17-4, spent the second week in August visiting her aunt at Payne, Ohio.

Mrs. Edith Seeger, of the Meter Department, is spending August and September visiting relatives in Montana.

Misses Celeste Smith and Susie Wagner, of the Meter Department, spent the first two weeks in August at Rome City.

Miss Bertha Moorman, of the Meter Department, spent the two middle weeks of August visiting relatives in Ohio.

Miss Daisy Sanderson, of the Meter Department, spent the second week in August with friends in Van Wert, Ohio.

Mrs. Zoa Didier, time clerk in Building 19-5, enjoyed the last three weeks in August motoring through Yellowstone Park.

Miss Martha Scherzinger, of the Field Department, spent the two middle weeks in August visiting the Dells in Wisconsin.

Miss Christine Grosswege, stenographer for Mr. P. C. Morganthaler, of the Meter Department, spent the last two weeks in August visiting relatives in Pittsburgh, Pennsylvania.

Miss Eva Beckman, of the Meter Testing Department, left August 16th on a three months' leave of absence. Part of this time she will spend visiting friends in Indianapolis.

Miss Eva Corcoran, stenographer in the Meter Manufacturing and Standards Department, left August 9th to enjoy two weeks visiting friends in Chicago, Illinois, and Gary, Indiana.

The following girls from Building 4-5 enjoyed the next to the last week in August at Niagara Falls: Alice Aiken, Frieda Hildebrand, Louise Guethe and Clara Gehring.

Miss Helen Snyder, of the Meter Department, left August 16th on a two weeks' motor trip. She will visit Niagara Falls and other points of interest in the east.

Miss Dorothy Gidley, of the Insulation Department, left August 16th on a two weeks' vacation. She will spend one week of this at Niagara Falls.

Miss Sylvia Hedrick left August 16th to enjoy a week's vacation. She is employed in the Insulation Department.

Miss Bertha Keltch, of the Insulation Department, left on August 16th on a week's vacation.

Miss Loretta Girardox is away from her duties in the Insulation Department spending a week in Michigan.

Miss Cleophas Henry, of the Insulation Department, spent the next to the last week in August on a vacation.

Miss Anna Passon, of the Ice Machine Engineering Department, spent the last two weeks in August in Chicago and at home.

Miss Henrietta Klenke, of Building 19-4, returned to work on August 18th after spending a week at Buffalo visiting relatives.

Miss Helen Diller, of the Inspection Department, is spending a two weeks' vacation at Lake Gage.

Miss Meta Garver, of the Meter Inspection Department, returned last Monday after spending two weeks visiting relatives in Pittsburgh, Pa.

Miss Clara Krudop, of the Meter Inspection Department, returned to her duties last Monday after spending two weeks visiting in Washington, New York and other points of interest in the east.

Miss Josephine Magers, of Building 19-5, returned to work on August 18th after spending a week at one of the northern lakes.

The Misses Dorothy Wagner and Esther Quinn, multigraph operators in the Distribution Department, have returned

from a two weeks' vacation spent at Lake James and at home.

Miss Theresa Songer, mimeograph operator in the Distribution Department, is away on a two weeks' vacation, which is being spent at Xenia, Illinois.

Miss Myrtle Derr, multigraph operator in the Distribution Department, is spending a two weeks' vacation in Mansfield, Dalton, Orville, Cleveland, and Akron, Ohio, making the trip via automobile.

Miss Edith Kraus, code clerk in the Telegraph Department, returned to her duties last Monday after spending a week at Huntington, Indiana.

Miss Leota Boxell, of the Pay Roll Department, spent her vacation at her home in Ossian, Indiana.

Miss Margaret Wehrle and Miss Thelma Sparks, of the Pay Roll Department, spent their vacations at home.

Miss Susane Hamman, of the Pay Roll Department, spent last week at Dayton, Ohio.

Miss Dorothy Bolt returned to her duties on August 18th after spending two weeks at the lakes and at home.

Miss Rosella Kiep, of the Payroll Department, spent the next to the last week in August in Chicago.

The Misses Loretta Grothouse, Naomi Graver and Edna Sarrazen have returned from two weeks' vacation spent at the lakes and at home.

The Misses Hulda Berg and Helen Gnau, of the Accounting Department, spent the last two weeks in August taking vacations.

Miss Cornelia Krauhs, of the Order and Stores Department, is spending two weeks at some nearby lake.

Miss Ethel Masterson, of the Order and Stores Department, spent the last two weeks at Winona Lake.

Miss Agnes Colchin, of Building 19-4, returned last Monday after spending a week with her parents in Decatur, Indiana.

Mrs. Anna Gilbert, employed in the Meter Inspection Department, returned Monday from a two weeks' motor trip to Minnesota.

Miss Carrie Burke, of the Industrial Service Department, returned to work last Monday after taking a two weeks' vacation.

Miscellaneous Notes

Mrs. Gertrude Lare Bennett, of Building 26-4, resigned her position on August 16th on account of her health.

Among the new employees we have with us at this time is Miss Viola Havert. Viola is a 1924 graduate of Central High School of this city. She is employed in E. A. Wagner's department, Transformer Engineering, Building 19-2. Viola substituted here last summer and she liked it so well that this summer, when she was finished with school, she returned.

Another new employee from the Central High School is Miss Jeanette Weis. Jeanette is a classmate of Viola's. She can also be found in Mr. Wagner's office. Thus we have classmates and friends working in the same department.

The Misses Edna Hergenrader, Christine Boldt and Agnes Ness have recently been transferred from the Small Motor Department to the Radio Transformer Department.

Miss Lucy Clous, of the Small Motor Department, returned on August 18th after a week spent at Akron, Ohio.

Miss Mary Working, employed in the Stock Room, has resumed work after a week's vacation spent at Battle Creek, Michigan.

Miss Margaret Voorhees, a winder in the Radio Department, has returned to work after a week's vacation at Lake James.

The Misses Alma and Frieda Kaiser, of the Radio Department, returned August 18th after spending two weeks at Niagara Falls and other points of interest.

Miss Marie Grothouse and sister Loretta, of Building 26-3, returned August 18th after spending a week at Camp Yarnelle.

Elex Club

The Elex Club will hold its Annual Banquet and election of officers some time in September. Every member of the club should make it a point to be there and express her choice of officers for the coming year. This is important—how important you may not realize. If you have any suggestions, please see Hilda Walda at once, and they will be considered.

Plans are being laid to make the banquet an evening of real entertainment. Everyone always has a good time at this banquet and this year it will be more enjoyable than ever if each girl will boost it and be ready to take part wherever she is needed. The exact date has not been decided upon yet, but you will find it out soon. Why can't we have between 200 and 300 girls in attendance this year? We can if you will all co-operate. Let's see how much you really care for Elex.

Outing at Polly's House

About fifty G-E girls participated in the gay time which they had at Polly Botts' house several miles out in the country. The girls had been anticipating this outing for some time, and it was as good as advertised. The girls were so nearly starved when they arrived at their destination that they could scarcely wait until the "eats" were ready.

After lunch some played baseball, others danced in the barn to the peppy music of a victrola, while sliding in the haymow was a great event to others. Some preferred to pick some of the many pretty flowers. The climax of the afternoon came when a group of girls walked to a creek nearby and decided to go wading. While part of this group was in wading, proceeding farther and farther away, lured on by wild berries growing near the bank here and there, those lingering behind made off with the shoes of the merry waders. Now, this is where the climax comes in—the poor barefoot girls had to walk all the way back to Polly's house,



ELEX GIRLS AT CAMP YARNELLE

Left to right: Hilda Walda, Virginia Sarrazen, Tressie Singrey, Cleora Bowman, and Lillian Steup.

about a mile, and we tell you, it was no joke.

After the group had gathered together again, ice cream cones were served just before they got ready to leave for home in the trucks. As if there hadn't been enough excitement, Lillian Steup ran a splinter in her finger while getting into the truck. However, Miss McLane made a splendid nurse.

It was one of the best times we have had.

At Camp Yarnelle

July 26th and 27th was Elex's week-end at Camp Yarnelle. About twenty-five girls from "General Electric" took the vacation. The weather was fine and the water was wonderfully cool and invigorating. In fact, there wasn't anything to mar those two days, except when the girls had to go on K. P. duty, but that came just once for each person. Many girls took advantage of the tennis court, bathing beach, and the rope swing which hung on the slope of the hill back of the camp.

In the evening of the 26th they built a big bonfire and danced to victrola music. The Rainbow Stringed Instrument Club was also up at camp and furnished some very beautiful camp-fire music.

One party of eight girls hiked to Warsaw on this evening instead of sitting by the bonfire. Lillian Steup and Tressie Singrey almost got bit by a dog on the way to Warsaw, but their legs carried them faster than the dog could run. After purchasing peanuts and candy, the girls returned home. The night was very dark and the girls could scarcely see the road but they finally covered the three miles safely and got back in time to sit around the dying camp fire and sing a while.

Sleep that night was a sort of wild affair. Hilda Walda was one of the most tricky of the bunch. The girls slept in double deck beds and they found everything from twigs to large clubs under the

bed covers. Then, too, one also had to be careful for fear that the one either above or below would pull the bed covers off.

The girls arose very pious though, the next morning. Some of them went to Warsaw and some to Winona to church. Later in the day there was the flag raising and still later the bathing, swimming, tennis and other sports. Finally the girls began to leave in private cars and then it came time for the remainder to catch their train for home.

Marriages

Walters-Beitzel

Miss Grace Beitzel was very quietly married to Mr. Lawrence Walters on August 2nd. Mr. Walters is employed in Building 2-E. At present the young couple can be found at the home of the bride's parents at 521 West Fifth street.

Leach-Green

Miss Helen Green, clerk in the Blueprint Department, was quietly married to Mr. Glen Leach on August 2nd. The bride resigned her position here soon after her marriage.

Jones-Hoppas

Miss Emily Hoppas, of the Blueprint Department, was married on July 26th to Mr. Harvey Jones, of Building 19. The bride is still working at her position in the Blueprint Department. The young couple are living at 117 Butler street.

Allis-Nix

Miss Frances Nix was married on July 30th to Mr. Fred Allis. The bride was formerly an employee in Building 4-5.

Hoffman-Bletzacker

Miss Kathleen Bletzacker was married on August 26th to Mr. Edward Hoffman, at the Precious Blood Church. The bride was formerly employed in Building 4-5. The young couple are now at home with the bride's parents on West Fourth street. Mr. Hoffman is an employee of the Wayne Knitting Mills.

ATHLETICS

G-E A. A.

City Industrial Basball League

The G-E A. A. team in the City Industrial Baseball League is well down toward the bottom in the league standing as a result of not being able to turn hits into runs. In every game the G-E team has succeeded in connecting with more safe hits than its opponents but have been on the short end of the score each time. Local professional teams have taken three of the leading players of the G-E team. This loss was keenly felt in a double-header played with Tokheim, in which the Green and White split even.

After holding the Wayne Tank nine scoreless for eight innings the Tankmen pushed over three runs in the first half of the ninth, overcoming a one run lead which the G-E nine held and to which it was unable to add in its last half of that inning. Elmer Hamilton started to pitch this game but was unfit for the task, and Watt was called upon to finish the game. The standing of the teams August 16th was as follows:

Team	Won	Lost	Pct.
Western Gas	6	2	.750
Pennsylvania	5	3	.625
Wayne Tank	4	4	.500
General Electric	3	5	.375
Tokheim	2	6	.250

Girls' Baseball

As this news goes to press the Wayne Knits and G-E teams are tied for first place. Each team has lost one game but on account of some of the girls being absent on vacations the deciding game hasn't been played and the winner is still in doubt, although we have hopes of winning the championship for the third consecutive year.

Standing in Blue Triangle League

August, '23-'24	Won	Lost
General Electric	5	1
Wayne Knits	5	1
B. T. A. A.	2	4
Wayne Tank	0	6

Y. M. C. A. Amateur Baseball League

After a very poor start in the first two rounds of the Y. M. C. A. Amateur League the G-E team got away to a flying start in the third round, winning a double-header from Bowers and a game from the Wayne Tank. While the split season schedule has always been disastrous to G-E teams, it looks like this year's baseball team is to take advantage of this division of playing. The Green and White has strengthened its team somewhat and the addition of these players seems to have put new life into the team. Bowers, winners of the second round, defeated Dudlo, winners of the first round, for the championship of the first two rounds. The team which wins the third round will have

to play Bowers for the league championship. As the G-E team has made a wonderful showing in the third round it bids fair to cop the championship.

Intersectional Baseball League

The Small Motor team, losing but one game, finished in first place in the standing at the completion of the regular scheduled games. Each team in the league played their six scheduled games, all games being played immediately after work on the Taylor street grounds. Considerable interest was displayed in the league this year and competition was extremely keen. The standing of the league at the end of the regular schedule was as follows:

Team	Won	Lost	Pct.
Small Motor	5	1	.833
Meter	4	2	.667
Transformer	4	2	.667
Engineers	3	3	.500
Main Office	2	4	.333
Apprentice	2	4	.333
Tank Shop	1	5	.167

To determine the league championship the teams are grouped according to their standing in the first round of play. The first team playing the second, the third playing the fourth, etc. In the first games of this elimination series the Meter Department defeated the Small Motor Department by a score of 6 to 3 in an interesting and well-played game. The Engineers defeated the Transformer Department by a score of 8 to 1. This is as far as the elimination contest had proceeded at the time of going to press.

Notes

Elmer Hamilton, pitcher for the semi-pro team, has been suffering from a very sore arm. Most fans are acquainted with the speed which it is possible for Elmer to put on the ball and appreciate the fact that he is not at his best.

Carl Stauffer, a recent addition to the pitching staff of the City Industrial League, won his first game against Tokheim and finished the second game on the same day. Carl certainly pitched wonderful ball during these games and but for errors would have won both games.

Krabill and Bowers have been dividing the pitching honors for the G-E team of the Y. M. C. A. League. The former has been pitching exceptionally good ball and Bowers has been holding his own with his opponents.

LIBRARY NOTES

W. H. Fritz, in charge of Cost Accounting, has donated to our G-E Library, a set of the American Correspondence School books on Modern Engineering Practice. As soon as they have been properly indexed they will be available to anyone in our local organization who may care to use them.

A new deposit of books from the Public Library was received during the month of August. There are nearly 250 books in the deposit, and as there are representative books of every classification from

philosophy to fiction, there should be books to interest any reader.

By changing the deposit occasionally during the course of the year our offering of books is made equivalent to that of a much larger library deposit.

The Library, located on the fifth floor of Building 18, is open during office hours and the books are available under the usual public library rules to anyone employed here at our plant. There are many books of interest to the home folks, too, and we will be glad to have you take books along for the use of other members of your family. You may use your own public library card or the card of any member of your family.

Good books should be a tonic, for both the tired factory and office workers. We invite you to use the books which we have here at this plant.



Dont Turn Your Back on Danger

DON'T TURN YOUR BACK ON DANGER

Standing within range of the business end of the mule and gazing elsewhere is tempting fate. Some mules are outlaws or mankillers, but most of them will only pull rough stuff when they think they can get away with it. They will behave when they know who's boss and the boss' eye is on them.

Are you the boss of your machine? Many machines are just like mules; they are safe enough when watched but the minute the operator's eyes are turned or his attention wanders from his work they are ready to bite or kick. Punch presses, buzz saws, jointers and automobiles are not the only things that need watching. Hammers, chisels, picks and wheelbarrows also figure in the accident records.

The ostrich's way of avoiding danger is to bury his head in the sand. As a result, his tail feathers find their way to a millinery shop. Not unlike the ostrich in his habits, is the person who walks across the street with his head buried in a newspaper or an umbrella.

Few accidents happen when we are wide awake and facing danger. The trouble begins when we turn our back on it, forget about it or let our thoughts wander elsewhere.

WHY WE TALK SAFETY

We talk safety in our magazine and on our bulletin boards to remind men of important things which they are constantly forgetting, not to supply any defects of their intelligence. We believe that the average man is normally careful but human resolutions and purposes are frail things and it is these lapses, rather than wilful recklessness, that constitute nine-tenths of what is usually called "carelessness." Our safety talks and safety rules are signposts to prevent you from wandering unintentionally from the path of safety into the slippery detours of negligence and unsafe practices.

USE THE GOLDEN RULE

Hay, Jay Walker! Don't be crossing there,

Crossing in the middle of the traffic isn't fair;

Other people have a right to travel on the street—

Serve you right if someone knocks you off your feet.

You, too, Driver, don't you get too smart; While you're cussing others, see you do your part;

Have a thought for Safety in everything you do;

Your respect for others will bring respect for you.

Please join with us, heart and hand and mind;

Keep your eyes wide open, don't pretend you're blind.

Think of Safety always, use the Golden Rule;

Always act with caution, you may meet a fool.

—E. Everett Evans, Secretary-Manager,
Battle Creek Safety Council.

HOME BUILDING PLANS

(Continued from Page 4)

should be kept in mind that there are fees and taxes to pay, possible improvement assessments, and other contingent factors, in addition to repairs and depreciation, so that the borrower should check his enthusiasm and not undertake partial payments beyond a reasonable proportion of his average weekly income. This must be determined by the borrower, who is in control of his living expenses, but as a general rule and guide, the suggestion is offered that the weekly payment should be less than one-quarter of the weekly income.

"No Case is Hopeless and No Case Secure."

The laws applying to the title to real property as distinguished from personal property are very complex, because they have been worked out gradually through many centuries.

The purchase of land is an investment; and one of the qualifications of a good investment is the ability of the purchaser to eventually get back his purchase price, with or without an earning or profit on it. This makes it important that the purchaser

buy at the right price. It is equally important that he buy a title that is marketable. If he pays money for an imperfect title or a clouded title, it may become necessary to sue in court to establish the title; that means expense. He may lose the suit, which may mean the loss of the property and the loss of the money he has paid for it, and he still may have the expense of the suit.

The purchaser should not overlook the importance of consulting with those in whom he has confidence, and who he believes knows about the particular parts of the problem confronting the buyer. He should consult a competent attorney about the title and legal papers; a reputable banker about the financing plan and property value. If he proposes to build he should consult a reputable architect about the plans, especially if he is drawing his own plans.

He may have to pay a fee for the services rendered, but from reputable people the fee will be reasonable when judged from the information received. Reasonable expenditures for such professional services may prove later to be excellent insurance and investment.

The buyer should not rely upon gossip and the opinion of "the man on the street." He should learn all he can about the history of the property he proposes to buy, and of the present owner, and of the former owners. He should avoid the purchase of property that has been in litigation, or has been possessed by owners who have been in litigation, until he is thoroughly satisfied that he can get a title that is marketable.

In buying under two mortgages, which is the condition under discussion, never lose sight of the fact that the holders of the mortgages have a prior right to the property if the borrower fails to pay the interest when due, on either mortgage, or fails to satisfy the mortgages when due. The holders have the right of foreclose, i. e., to take title to the property and dispossess the borrower. In view of this, it is of extreme importance that the property is bought at a price that is within the borrower's means to pay; that he have sufficient means aside from the purchase price, considered in the partial payment, to meet the taxes and assessments when due; to pay the repair bills, etc., and to be able to pay off at least the second mortgage within a reasonably short period of years.

Never for a moment lose sight of the interest being paid, which is the purchase price of the money borrowed. Interest continues without interruption, takes no holidays, and is in reality a very large part of the price paid for the property.

Where it is necessary to purchase under a second mortgage, it would seem the part of discretion to buy a very moderate priced property, making as great a percentage as possible of the purchase price as a down payment, then clear off the second mortgage within as few years as possible. By that time, if the property has been well selected with appreciating value, it may be possible to sell to advantage, and then buy another property more in line with what the purchaser really wanted in the first instance, but did not have the capital with

which to swing the deal. Remember that "Little boats should stay close to shore."

All the factors referred to in the preceding paragraphs and many more are present in all real estate transactions. Reference to them is not made to discourage any prospective buyer, but rather to indicate where the pitfalls may lie. The members of the housing committee have had some experience in handling real estate and in building, and it is expected that the experience of the committee will make it easier and safer for the buyer to acquire a home with the least expenditure of money, consistent with the savings available.

If the prospective buyer has only the minimum of 10% of the purchase price available, it may be wise to defer the purchase until larger savings are accumulated. Don't forget that G-E Employees Securities Corporation bonds can be purchased at any time for cash in \$10.00 denominations and multiples, up to the limit of \$500.00 in any one year.

The committee has nothing to do with the selection of properties, nor negotiation for their purchase, nor with the first mortgage, except that the money to pay the interest is collected, but it will consult with and advise the prospective purchasers among the employees, with a view to assisting them in a proper way. The committee is very intimately concerned in the second mortgage, because the second mortgage is made upon the recommendation of the housing committee.

The great opportunity under this plan is the fact that the relations between buyer and seller are on a cash basis; and by paying cash the buyer gets title to the property. It is no concern of the seller how the buyer may supply himself with funds, but if the seller knows that he can get all of his money without waiting for it, he may be content with a lower price.

No provision is made in the weekly deductions for taxes, assessments, insurance, etc., because they may, and usually do vary, from year to year. However, they are items which must not be neglected and the buyer must keep them in mind and pay them when due; as failure to pay them may result in the loss of the property.

Having title to the property subject to mortgage liens, the title holder is entitled to mortgage exemption of \$1,000.00 on the appraised value of the property, provided he files an exemption at the court house. At a tax rate of \$2.38 per hundred, this means a saving in taxes of about \$2.00 a month.

Every prospective home-owner must decide which to do—to buy or to build—and should investigate both methods before deciding which to adopt.

The prospective buyer may find a house that appeals to him, or one which he finds can be changed easily to suit his needs. If the price is right, it may be desirable to buy rather than to build.

CAUTION—Before making any down payment or option payment on a property, be sure to get the consent of the housing committee if you expect to operate under this plan.

It does not mean that because an owner or an agent names a definite price for a

piece of property that it cannot be purchased for less. The prospective purchaser should make a thorough investigation of the property, and make sure that the lowest possible price has been quoted. Armed with the cash you can drive a better bargain.

It may be of advantage to consider some of the following points when looking at property:

What is the condition of the floor timbers? By this is meant the timbers which support the floors and also the timbers upon which the house rests. Examine the joints to see if they have commenced to rot.

Get what information you can in regard to the cellar. Is it dry at all times of the year? Is the floor cemented? Are the basement walls in good shape and free from cracks?

Investigate the heating system thoroughly. Have chimney clean-outs been provided? Are the chimneys built with flue linings? What is the condition of the fire box, grate, and other parts of the furnace? Are the pipes in good condition? How soon will it be necessary to replace them?

What is the condition of the plumbing, and how old is the system? Is the sewage system modern and in good order?

Is the electric wiring well done, or will the buyer be required to change the present wiring to meet underwriters' requirements, or local ordinances, etc.?

What is the condition of the ceilings and walls? Are they cracked and in need of repair?

Has the house settled in any part to any great extent?

What is the condition of the paint, inside and out? Will it be necessary to remove the old paint before re-painting?

What is the condition of the roof? How long before the house must be re-shingled?

What are the floors, hard wood or soft, single or double? What is their present condition?

Why is the property now offered for sale?

After the prospective buyer is satisfied on these and other points, a good deal of thought should be given as to whether the locality will warrant an expenditure that will be required to secure the property and to make the necessary improvements. After these matters have been considered, some reliable contractor should be consulted to secure a bid on the cost of making repairs and improvements that may be required. These repairs, etc., may be considered as an addition to the purchase price, or may become in effect, a reduction in the asking price if the seller agrees to make them at his expense.

In building a house, one should be sure to have money to meet all payments, or a definite plan of financing.

To know the requirements of the family that is to occupy the house.

To have good plans.

To have the building operations well supervised.

To have explicit contract or contracts

duly signed and drawn with due regard to lien laws.

These and many other questions should be discussed with the housing committee.

"The root of the commonwealth is in the homes of the people. In proportion as our people own their homes, the country gains in stability."

—Cardinal Gibbons.

MUSCLE SHOALS

(Continued from Page 7)

kilowatt hours of primary power and 1,490,000,000 kilowatt hours of secondary power per annum, will be ready for commercial operation by October 1, 1925. The eight water wheel generators comprising this first unit will be set to work then. Four of these generators, rated at 32,500 kv-a each, with the necessary switchboard and auxiliary equipment, have been ordered from the Company and are now under construction. Thus our work will again be of direct benefit to American agriculture in aiding farmers to secure inexpensive fertilizer, and will stand ready to aid the War Department should it be in need of nitrates for the manufacture of munitions.

G-E NIGHT SCHOOL

The G-E Night School classes start the week beginning September 15. All registrations should be in the hands of Mr. Thuesen of the Industrial Service Department before that date. Last year more than one hundred employees of the Works registered for the night school work and a good percentage of these stayed with it to the end. If you are not well acquainted with what the night school has to offer call Mr. Thuesen, 'phone 217. The Industrial Service Department expects this to be the biggest year in the history of the night school.

THE PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS

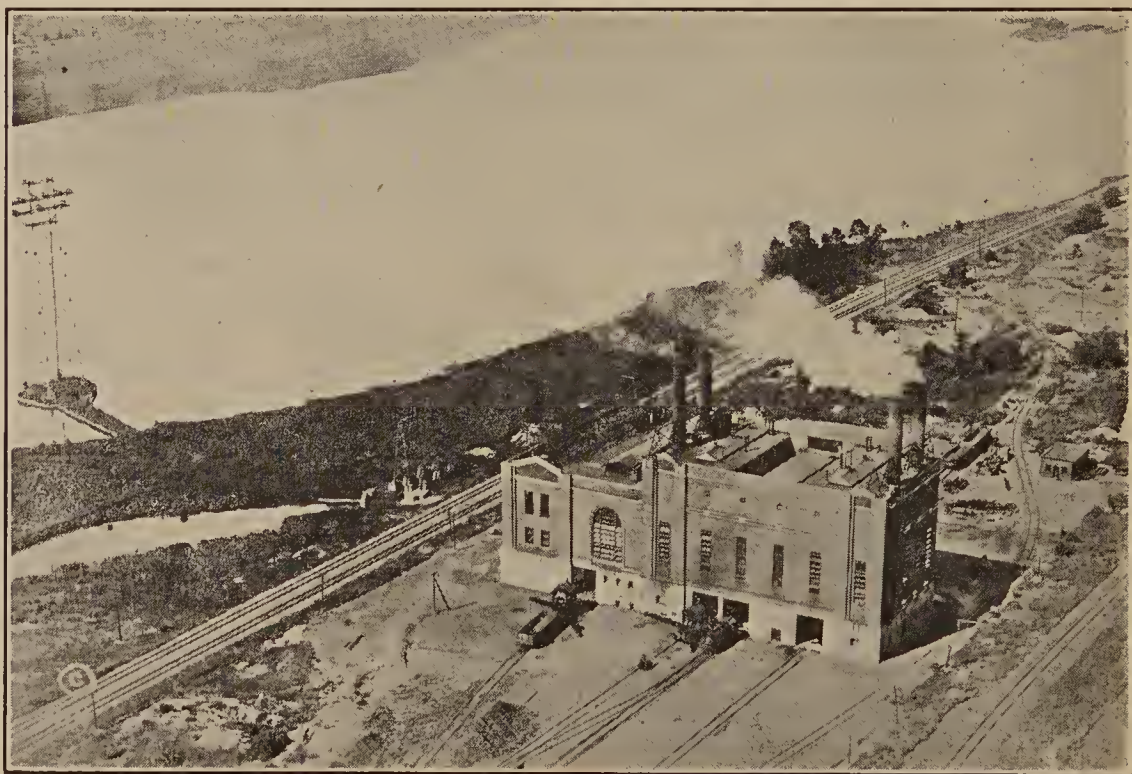
(This article deals with the Public Service Company of Northern Illinois, a public utility for which General Electric workers build much apparatus and in which the G. E. Employees' Securities Corporation has invested part of the savings of G-E employees holding its bonds. This is the ninth of a series. Editor.)

"CHICAGO, ILL., the second largest city in the United States, is bounded on the east by Lake Michigan and on the north, south, and west by the electric lines and gas mains of the Public Service Company of Northern Illinois."

Extravagant as this statement may sound, it has frequently been made—and it is accurate. Despite Chicago's rapid growth the population in this district has been, of late years, increasing on the ratio of three times that of the proportionate growth in the city of Chicago. The problem of rendering satisfactory electric and gas service to such a rapidly growing district is a great one, but the Public Service Company of Northern Illinois has done its work so well that it has recently been awarded the Charles A. Coffin Foundation medal for public utilities for the year 1923.

Serving in whole, or part, fifteen counties in Illinois, the company operates in a territory which constitutes approximately 10.5 per cent of the total area of Illinois. This district is as large as the states of Connecticut and Rhode Island, combined. In this area are located such fine residential cities as Evanston, Wilmette, Highland Park, and Lake Forest, as well as such manufacturing centers as Joliet, Zion City, Waukegan, Pontiac, and Streator.

Realizing the existing demand for its services, and anticipating greatly increased demands, the company last year spent approximately \$9,000,000 in additions to its



AIRPLANE VIEW JOLIET STEAM GENERATING STATION OF THE PUBLIC SERVICE COMPANY OF NORTHERN ILLINOIS

KEEPING FIT CONTEST

Standing of Major Departments, August 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	2.30	57.40
2. Meter Department.....	18.15	12.92	28.81
3. Fractional HP Motor.....	22.25	18.90	15.05
4. Decatur	6.81	6.12	11.26
5. Contributing Departments.....	20.12	22.58	—12.23
6. Induction Motor	4.78	6.11	—27.80
7. Building and Maintenance.....	11.25	14.39	—27.90
8. Transformer	11.25	16.68	—48.25

plants and equipment. The program for expansion during this year involves the expenditure of a sum slightly in excess of that spent last year. These expenditures are absolutely necessary if the company is to continue its wonderful record for service.

The Public Service Company of Northern Illinois has for years been interested in super-power and its system is now tied in with those of the Commonwealth Edison Company, the Central Illinois Public Service Company, the Northern Illinois Light and Traction Company, the Illinois Northern Utilities Company, and indirectly with the Keokuk Dam hydro-electric development of the Mississippi River Power Company. Thus, in case of a shut down of any of the company's stations, electricity is immediately available through these inter-connections. During the past year the company has put into operation its famous Skokie Valley super-power 132,000-volt steel tower transmission line, which is twenty-seven miles long.

Over a period of years the company has acquired fifty-six municipal or privately owned plants which have been shut down and dismantled due to their inefficiency of operation. Six other plants have been out of operation, but are being held for emergency service or for the requirements of the heating systems. The communities formerly served by inefficient plants now receive service from the company's large, efficiently operated central stations.

Large scale improvements have also been made in the company's gas facilities during the past year. More than 286,000 feet of high and low pressure mains were laid. Work was started on the installation of three new boilers of 225 horsepower each, with stokers, at the gas generating station west of Evanston. An exceptionally important operating economy was instituted during the year when the utilization of soft coal for water gas production was undertaken.

It is especially interesting to note that of the company's 21,419 stockholders, ninety-two per cent lived in the communities served by the company, or in Chicago. During the year 1923, 32,821 new customers were secured, and there is every reason to believe that the business will continue to grow. Samuel Insull, chair-

Interesting Facts Concerning Public Service Company of Northern Illinois

202	Cities and towns served.
158,604	Electric customers.
87,197	Gas customers.
6,053	Water customers.
1,127	Heat customers.
403,886,488	Kilowatt hours electric output, 1923.
3,535,537,000	Cubic feet gas output, 1923.
\$68,847,255	Property value, as of January 1, 1923.
\$16,014,342	Gross receipts during 1923.

man of the board, predicts that within the next few years the stockholders in the company will number 40,000 to 50,000.

Britton I. Budd is president of the Public Service Company of Northern Illinois. Mr. Budd is one of the most progressive men in the public utility industry. He believes in the absolute necessity of rendering the best of service, and the spread of customer and employee ownership. He has instituted an intensive advertising campaign and has stood for absolute square dealing with both the public and the company's employees.

SUPPOSE A G-E CITY

In a city of 500,000 population there are \$600,000 worth of electric washing machines sold each year.

The wiring device and supply business in such a city is much in excess of this figure.

More than \$450,000 worth of vacuum cleaners and \$95,000 worth of electric percolators are sold annually in a city of this size.

Approximately \$65,000 worth of electric flat-irons, \$25,000 worth of ironers, \$18,000 worth of electric toasters, and \$12,000 worth of electric curling irons are sold each year in American cities of 500,000 population.

Similar figures could be quoted for the long list of electrical necessities and con-

veniences which are helping to make life more pleasant.

* * *

It is natural for each employee of the Company to want a bigger and better job with increased financial remuneration. General Electric employees work conscientiously each day at the desk, in the field, at the bench, or on the machine. They are proud of their work, for they do it well. At the end of the day they go home to their families, putting work behind them until the next day.

There is one more step they might well take.

* * *

Let us go back to the city of 500,000. Suppose every buyer in this city were sold 100 per cent on G-E material and apparatus. Each would then insist that his home be wired throughout with G-E wire and wiring devices, that his washing machine and vacuum cleaner be run by G-E motors, and that all other electrical goods which he purchased be made by General Electric.

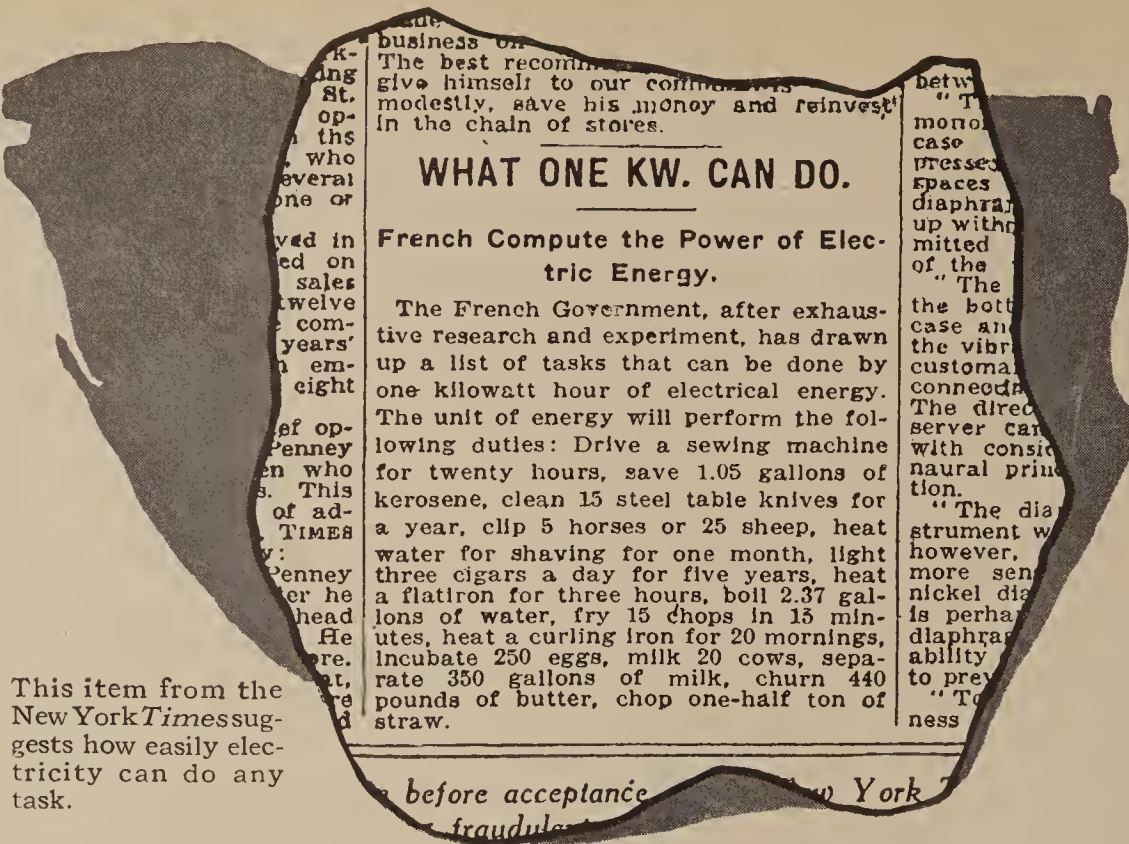
Such a situation would mean more opportunities for bigger and better jobs for employees because it would mean increased business for the Company, which means more work for the factories and offices. It would help to insure steady employment and the maintenance of the wage scale.

Making this situation practically an actuality is the extra step which is within the power of G-E workers. We are 80,000 strong. With our families—our wives and husbands, our sons and daughters, our fathers and mothers, and our aunts and uncles we represent a buying power equal to that of a city of approximately 500,000 people.

Therefore, if every one of us will insist on G-E equipment on all electrical devices which we purchase, and urge our relatives, our friends, and our neighbors to do likewise, we will materially assist in promoting the business from which we all draw our livelihood and will be helping ourselves by helping the Company.

Life is short but there is time enough to remove that hazard:

Safety says, "Be Careful." Old man Accident says, "You should worry"—and you surely will if you follow his advice.



This item from the
New York Times sug-
gests how easily elec-
tricity can do any
task.

Multiply by sixteen million



Not only does the
General Electric
Company produce
apparatus by which
electricity is made; it
also produces the lit-
tle motors by which
electricity makes
house-work easy.
Look for the letters
G-E on such devices;
they are a symbol of
service, the initials of
a friend.

The steam turbine genera-
tors designed and built by
the General Electric Com-
pany in the past 22 years
have a total capacity of six-
teen million kilowatts con-
tinuously.

Considering how much the
kilowatts can do, don't you
think it would be a good
scheme to put more of them
to work in your home?

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines

FORT WAYNE WORKS NEWS



Vol. 8

October 1924

No. 10



Noon Day Activities in Building 16-2

One bright sunny morning in October, Miss Window-sash awoke very late, as was her custom.

“Oh goodness, something is happening,” she beamed.

And Mr. Radiator steamed out, “Oh, ho! So you are wondering too.”

And her panes twinkled and his pipes radiated, and so they waited and watched, and, if I might tell a little secret, they didn't sleep very much that night. And the next morning there was no late napping. Then suddenly Miss Window-sash whispered to Mr. Radiator, “Oh! I am going to have a new dress.” And sure enough she was being draped with some lovely soft colors. And after a while Mr. Radiator steamed low and soft that he was going to have a new coat of silver. And oh! how happy they were! And after a while they looked down and Father Floor was shining with a new covering of wax. And soon there were less cigarettes to burn and sting, and more feet to slip and glide over his smoothness. And they all awoke earlier, because they had visitors nearly every day.

It would take too long for them to tell you about all the happenings of those noon-day frolics, so they have pictured these on this month's cover for you.

1. A leap year dance which the girls gave. You will remember of reading about it in the May issue, and how the girls scrambled for partners.

2. A return dance given the girls by the men.

3. “Yourselves”—as the actors on the movie screen saw you.

4. One of those days when some department had a picnic lunch (Armature Department, 17-4, this time), and Paul Spiegel's Orchestra furnished the music for a dance afterwards.

5. And there were plays, too—this photo shows a scene from the “Fatal Necklace” given by the Pay Roll Department.

In May, Father Floor took Miss Window-sash and Mr. Radiator on a vacation for the summer. They have just returned, and told me a secret—and if you won't tell I'll pass it on. They whispered that they saw Miss Kinna working out a schedule of good times for the coming winter. Something for every day in the week.

Detailed Schedule for the Winter on Page 6

FORT WAYNE WORKS NEWS

Vol. 8

OCTOBER, 1924

No. 10

GIUSEPPE FACCIOLI TO VISIT FORT WAYNE WORKS

ON OCTOBER 8th it is expected that the Works will have the honor of a visit from Giuseppe Faccioli, Works Engineer of the Pittsfield Works. This will be Mr. Faccioli's first visit to Fort Wayne and will be made the occasion of a special dinner meeting of the local section of the American Institute of Electrical Engineers.

Mr. Faccioli is another example of an immigrant who has distinguished himself in technical fields since coming to America. He was born in Rome, Italy, in 1877, and graduated with high honors from the Institute of Technicology at Milan, Italy, as an electrical and mechanical engineer. After three years of professional work in Italy following his graduation from the Institute of Technicology, Mr. Faccioli came to America to study the general development of electrical engineering here in this country. While in this country in 1904 he met William Stanley, inventor of the alternating current transformer, and it was Mr. Stanley who unconsciously caused Mr. Faccioli to stay in America instead of going back to Italy.

Mr. Faccioli's present position of electrical engineer at our Pittsfield Works is the direct outcome through a succession of steps of his early association with Mr. Stanley. He takes pride in numbering himself among the "Old Guard" of Stanley co-workers who have long made up the back-bone of operating genius at the big Pittsfield plant.

Mr. Faccioli's meeting with Mr. Stanley in 1904 resulted in Mr. Stanley's giving Mr. Faccioli a piece of work to do in relation to a new type of alternating current generator. The task assigned to Mr. Faccioli was to calculate in advance the characteristics of this piece of apparatus.

The young man devoted much time and care to this problem, and finally obtained a curious result. He figured it all out that the generator would consume 101 amperes of current. It seemed such a peculiar quantity that he went over his calculations several times, but always with the same outcome.

He was astonished for this whole calculation was considered little better than guess-work. If the answer obtained came within ten per cent of the actual performance of the apparatus it would be considered extraordinary.

As Mr. Faccioli expected, Mr. Stanley was skeptical to the point of amusement when the calculations were laid before him.

"Young man," he exclaimed, "you are fifty per cent out of the way. Exactly 101 amperes! That is wonderful—excellent! But wait until it is tested."

A few days later, Stanley and a group of engineers,—and young Faccioli with the rest—gathered about the new generator to see the test carried out. Everybody watched the ammeter as the needle began to move up. It passed the fifty mark. Then it went on to sixty, to seventy, to eighty, and still climbed. At length, to



GIUSEPPE FACCIOLI

Works Engineer, Pittsfield Works

everybody's astonishment, it stopped—at exactly 101 amperes!

"I think," said Mr. Faccioli, recalling this incident, "that Mr. Stanley almost believed I must have bewitched the machine, or at least that I had 'fixed' that ammeter in some manner. But there it was at 101 amperes, and no amount of tapping the dial or jiggling the needle would change its position. I had hit it exactly, precisely right—something that would not happen again in fifty years."

From that curious coincidence, Faccioli's permanent association with Stanley began. It continued through the succeeding years, which witnessed the merging of Stanley's activities with those of the General Electric Company, and the final location of the "101 ampere man" at the old Stanley works in Pittsfield, now the Pittsfield G-E

plant. This latter event occurred in 1908 and from that time Faccioli has had his headquarters at Pittsfield.

As Works engineer, Mr. Faccioli guides and supervises the high voltage work of the Pittsfield engineers, which embraces the experiments with artificial lightning in the Pittsfield high voltage laboratory. These experiments are directly in charge of F. W. Peek, Jr. The powerful transformers employed in these experiments are designed by W. S. Moody.

The Lightning Generator

"Exploration beyond the usual physical dimensions is responsible for many of the achievements of modern science," declared Guiseppe Faccioli, in explaining the operation of the General Electric "impulse generator" which produces artificial lightning up to two million volts, with a current of 10,000 amperes, and with a discharge lasting the inconceivable instant of one twenty-fourth of a millionth of a second.

In his interesting commentaries upon the production of laboratory lightning at higher voltage than any heretofore handled Mr. Faccioli says:

"The voltage and current which are generally used for electric lights are operated at the frequency of sixty cycles. This means that both voltage and current alternate 120 times per second, that is, the voltage, for instance, rises from zero to maximum, then falls back from maximum to zero, 120 times per second. The voltage rises, therefore, from zero to maximum in a 240th of a second in a sixty-cycle circuit.

"The discharges obtained in the Pittsfield laboratory are produced in a circuit, the constants of which are so arranged that the voltage rises from zero to the maximum of 2,000,000 volts in one twenty-fourth of a millionth of a second; that is, in one twenty-fourth of a micro-second.

"We explained before that when the voltage rises from zero to maximum in a 240th of a second the frequency is sixty cycles. In the Pittsfield experiments, the voltage rises from zero to maximum in one twenty-fourth of a micro-second, that is to say, one hundred thousand times as fast as in the usual lighting circuit. The frequency of the impulse is therefore one hundred thousand times sixty cycles, that is to say, six million cycles.

"The circuit of the discharge is so arranged that different frequencies may be obtained. This equipment when used on insulation, on electrical apparatus and on strings of insulators gives us the same results as those given in actual operation by atmospheric discharges. This means that the quality and the relative intensity of the electrical stresses produced by the impulse

generator and by the natural lightning are the same.

"It is possible, therefore, to test electrical apparatus under the same conditions as these apparatus will meet in actual service, and this is the immediate practical value of the impulse generator.

"I wish to call attention to the fact that the highest operating voltage in the world at the present time is 220,000 volts, used in California. You see that a two million volt impulse has a voltage ten times as high as the maximum operating voltage in service.

"I wish also to call attention to the extremely short duration of the impulse, a fraction of a micro-second. Electrical energy travels at the velocity of 186,000 miles per second. In a micro-second, that is to say, in a millionth of a second, it travels therefore, a little less than two-tenths of a mile, or approximately 1,000 feet. You see that a micro-second is a very short interval of time even for phenomena which travel at the velocity of light, as electrical energy does.

"By using millions of volts and micro-seconds we have entered new fields of investigation and of study. It is the exploration outside of the usual dimensions that is responsible for many of the achievements of modern science.

"The telescope has brought within the possibility of study objects at enormous distances and the microscope has brought within the possibility of study objects of infinitely small dimensions. The impulse generator, in which two million volts are reached in one twenty-fourth of a millionth of a second; that is, at the rate of forty-eight million million volts (which would be forty-eight trillion volts) per second, brings into the laboratory phenomena of unusual dimensions and allows us to explore the field of electricity beyond the border which has held us before.

FIFTEEN SUGGESTIONS TOTALING \$170 MADE DURING SEPTEMBER

The Committee on Suggestions announces the following awards made on suggestions up to September 23, 1924:

Allen Robinson, an additional award of \$40 on a suggestion to wet grind the small S. D. A. commutators manufactured in



LA VERA VAIL
Received \$20 Award

Building 17-4. Our readers will remember that Mr. Robinson received a \$25 award on this suggestion last year. In accordance with the committee's policy of reviewing adopted suggestions after they have been in service for a year, his suggestion was reconsidered and this additional award was made. Mr. Robinson, whose photograph appears above, is an employee in the S. D. A. Armature Department, Building 17-4.

Miss LaVera Vail, an award of \$20 on a suggestion regarding a method of filing Raw Material Authorization sheets uniformly. Miss Vail's idea simplifies and standardizes the filing of the Raw Material Authorizations as issued by the various production sections throughout the works. A photograph of Miss Vail appears above. She is employed as secretary to Homer Hartman. This is the largest award thus far given to any woman by the local suggestion committee.

Edwin C. Van Horn, an award of \$20 on a suggestion regarding a new method of packing MC-9 meters. By his method these meters are packed in the standard meter cartons in place of the wooden boxes, thus doing a quicker and better job. Mr. Van Horn, whose photograph appears below, is an employee in the Shipping Department, Building 6-2.

L. N. Sordelet, an award of \$10 on a suggestion regarding new style inner connection for form KD transformer coils. While Mr. Sordelet's idea was not a new

one, yet it disclosed the fact that the instructions issued by the engineers were not being closely followed and for this reason the above award was given. Mr. Sordelet is employed in the Transformer Winding Department, Building 26-3.

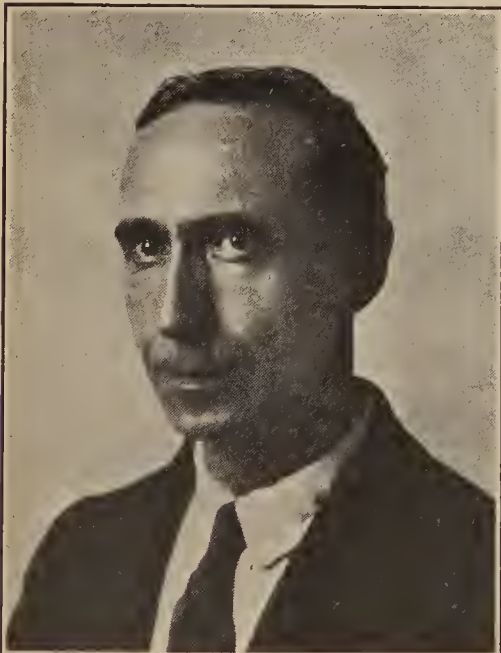
Martin Witham, an award of \$10 on a suggestion regarding new method of dipping meter potential coils. His method of dipping these coils produces a cleaner job, thus making a better product. Mr. Witham is an employee in the Meter Winding Department, Building 19-5.

Earl Greenlee, an award of \$10 on a suggestion concerning improvements to pressing fixture for RSA stators used in Building 4-5. Mr. Greenlee, who is an inspector in the Small Motor Winding Department, Building 4-5, noticed that the pressing fixture was not functioning properly and therefore, suggested some improvements thereto which made it possible to press the coils without damaging them.

Miss Annette Turnbull, an award of \$10 on a suggestion concerning combining rates on screws for stock in the Meter Cold Header Department, Building 26-4. Her idea saves considerable time in making out time slips and other necessary paper work for screws made in the above department. Miss Turnbull is an employee in the Meter Light Machine Department, Building 26-4.

Wm. G. Dempsey, an award of \$10 on a suggestion regarding eliminating wire tags and substituting pasted labels on meters. While Mr. Dempsey's idea was not a new one, yet his suggestion was instrumental in getting the present practice of pasting the identification tags on the outside of the meter packing carton. This scheme has been used for some months with entire success. Mr. Dempsey is an employee in the Shipping Department, Building 6-2.

Fred Pembleton, an award of \$10 on a suggestion to equip the pyrotip transformers with a mounted clamp to hold the



ALLEN ROBINSON
Received \$40 Award



E. C. VAN VORN
Received \$20 Award

carbon tip. All the pyrotip transformers used throughout the factory by the Maintenance Department were equipped in this manner with successful results. Mr. Pembleton is an assistant foreman in the Apparatus Assembly Department, Building 17-2.

Frank E. Hickman, an award of \$5 on a suggestion regarding a guard for a dry grinder used for grinding saws located in Building 26-5. Mr. Hickman is an employee in the Tool Making Department.

Frank W. Martin, an award of \$5 on a suggestion to repair the present wash sink in Building 8-1 with a more sanitary drinking fountain. Mr. Martin is an employee in the Receiving Inspection Department, Building 6-1.

Ray E. Hamilton, an award of \$5 on a suggestion to install more sanitary glass fillers in the Works Restaurant. Mr. Hamilton is an employee in the Apparatus Engineering Department, Building 18-4.

J. W. Grams, an award of \$5 on a suggestion to place a guard on the top of passenger elevator, Building 19. This guard is to prevent workmen from slipping and falling off the top of the elevator while making repairs. Mr. Grams is an employee of the Mechanical Maintenance Department, Building 19-B.

John Quinn, an award of \$5 on a suggestion to place a foamite fire extinguisher near the insulation treating room, Building 17-3. There was considerable hazard in this room due to the open gas flames being used and therefore a foamite tank was placed at Mr. Quinn's suggestion. Mr. Quinn is an employee in the Wire and Insulation Department, Building 17-3.

Ernest O'Neal, an award of \$5 on a suggestion to install an oil guard on Warner and Swasey machine No. 6559 located in Building 4-1. This guard is to prevent chips and foreign matter in the oil from getting into the gears and damaging them. Mr. O'Neal is an employee in the Small Motor Stacking Department, Building 4-1.

LONG EVENINGS AND BOOKS

The autumn season is again with us. The chill of the evening hours drives us indoors to the warmth of the fire and the companionship of books. As one instinctively turns more toward reading in the longer fall and winter evenings we are moved to call your attention to the books and magazines which our Works Library has available for you.

We have five sets of books that are popular in correspondence school work. Many of our works people have read these books and report that they are well worth while. No criticism of lesson sheets or tests is undertaken by the library but the books are reserved for those that are undertaking them as a serious study. The sets of books are:

Alexander Hamilton Institute Course in Business Essentials
Business Training Corporation Course in Business Essentials
Emerson Course in Personal Efficiency

Industrial Institute Course in Factory Management

International Correspondence School Course in Engineering

The Public Library has placed in our Works Library over two hundred of its books as a convenience to the people of our Works. Whether you wish to read purely for entertainment or with a more serious purpose in mind you will find books to your liking in the Public Library group of books. These books change from time to time so our deposit is equivalent to a much larger selection of books.

In magazines we have available to you a number of the leading ones in engineering, mechanical and business administration lines.

Either books or magazines may be taken home with you. All that we wish is a record of them as they go out and a prompt return. The Library is open from eight o'clock in the morning until five fifteen in the afternoon. During the greater part of the noon hour an attendant will be on hand to loan books and magazines and answer any questions you may have in regard to rules and regulations.

The Library is on the fifth floor of the Main Office, room at the front end of the hall.

AN OLD SAYING AND THE WAY SCIENTISTS AND ENGINEERS VIEW IT

"Everything worth inventing has been invented. Science has conquered all the problems confronting it."

Fifty years ago many intelligent people believed these statements. Invention had followed invention. Steam power had largely supplanted man power. The cotton gin was an accomplished fact. The sewing machine lightened labor in the home. Men could cease dreaming and spend all their time actually producing. Truly, a golden age had come.

Wireless telegraphy and radio were unheard of fifty years ago. Men did not fly across our continent between dawn and dusk—the airplane was still considered a wild dream. Water wheels turned machinery to which they were directly connected instead of driving generators which supplied electrical power which could be transmitted over wires to do work many miles from the waterfall. The efficiency of steam was not "stepped up" as it now is when it drives giant turbines. Fortunately scientists and inventors still believed that they could produce most by dreaming.

Once again there are those who believe that "everything worth inventing has been invented and that science has conquered all the problems confronting it." Scientists and engineers are of a different mind. In the power field present apparatus and machinery can be improved, new sources of power can be developed.

In his paper presented before the World Power Conference, in London, E. W. Rice, Jr., honorary chairman of the board, urges, as an international scientific enterprise, the attacking of the problem of utilization of

the internal heat of the earth as a source of power.

"The source of power which we must except from solar radiation is the power obtained from volcanic regions through holes bored into the earth, as has already been successfully developed in Italy," Mr. Rice said.

"Another possibility exists in the interesting and important suggestion made by Sir Charles Parsons in 1904, and again in 1919, of boring a great hole ten or twelve miles deep in some convenient and suitable place, to utilize the internal heat of the earth. This suggestion should not be allowed to lie fallow. I heartily agree with Sir Charles in his statement that the cost of such an experiment is trivial compared with the value of the possible information which might be gained by the investigation into this unexplored region of the earth. The cost would be much less than that of a single battleship. If only the people and their representatives had the faith and vision of science, the value of such an idea would have been put to practical test long ago. It is a big idea, worthy of a nation's enthusiastic support; in fact it is worth undertaking as an international scientific enterprise,—a suitable subject for co-operative work between friendly nations."

In this paper "New Fields of Research for Power Development," Mr. Rice offered numerous suggestions for the production of power. The photo-electric process may contain the germ for the direct conversion of solar energy, he suggested. The most promising solution seems to be through storage in growing vegetation, he said.

Mr. Rice touched on the remarkable developments in the electrical industry and pointed out some of the fields in which there is the opportunity for further advance.

A G-E MAN HELPS OUT IN A MINE DISASTER

Playing the complex part of manager and keeper of a combined office-store, telephone operator, recorder of phone calls, and reviver of spirits nearly broken by long hours of seemingly fruitless toil during the rescue work following a frightful mine disaster may not seem to fall within the scope of a G-E engineer's duties. Yet this is the difficult role which H. T. Plumb, engineer of the Salt Lake City office, assumed after the explosion at the Utah Fuel Company's mine at Castle Gate, Utah, for Mr. Plumb believes that G-E service means service to humanity.

"The first night was the longest and most trying," Mr. Plumb comments simply in writing of his experiences. He had traveled to the mine on the special train which brought officials, doctors, federal and state mine inspectors, and emergency supplies to the scene of the disaster.

There was much confusion and apparently little headway being made when Mr. Plumb reached Castle Gate. The main haulage portal had been caved in and the ventilating fan was out of commission.

The gases from the caved portal were terrible. Many who approached too close were overcome and had to be revived by artificial respiration.

Mr. Plumb established his headquarters at an air intake half a mile up Willow Creek Canyon. Here the explosion had been so violent that it threw the portal structure completely across the canyon. At this place engineers were trying to install a temporary fan.

"Rescue teams"—men with oxygen helmets went into the entry as soon as fresh air began going down. "Fresh air" men followed them with a portable telephone. This Mr. Plumb connected to a temporary phone hung on a fence near the entrance. A temporary line was strung to the main portal, where it was connected with mine headquarters and the federal authorities in the village. The telephones were of great assistance to the men working underground. With several fires smouldering there was danger of further explosions and the lives of the rescuers depended upon the explicit following of telephone orders. The phones also aided in clearing the mine of debris, gas, and recovering the bodies of the dead.

In addition to seeing that needed materials and men went into the mine on as nearly schedule time as possible, Mr. Plumb advised the general office about exploration work, repeated instructions to the men working underground, reported to the doctors' tent the location and condition of all bodies as found, the time stretcher crews started, and telephoned when each body left the examination tent for the morgue. When there was little else to do he made "small talk" with the rescuers, to aid in keeping up their spirits. He kept a record of all telephone conversations so that at the end of his six days at the mine he turned over to the officials "a fairly complete written record of all that had transpired in the mine."

In a canvas shelter, which kept the bitterly cold wind out to some extent, and was more comfortable when a stove was added, Mr. Plumb kept store, dispensing dry clothing, mine supplies and batteries and lamps. These, and many other things, Mr. Plumb did to aid in the rescue work. Yet, forgetting to a large extent the hardships which he personally underwent, Mr. Plumb pays tribute to the courageous work of all who assisted in the rescue work, "not only helmet crews, fresh air men, laborers, and clerks, but also the untiring officials of the Utah Fuel Company, the state federal mine inspectors, the doctors, undertakers, grave diggers, and women and relief societies."

Something of what Mr. Plumb's work meant can be appreciated when one knows that after the rescue work was completed one of the mine officials stated that his efforts had undoubtedly saved the lives of thirty or forty of the rescue workers. "The men knew they could depend on Plumb," this official said, "and by obeying his instructions implicitly they accomplished things which otherwise would have meant certain death."

"MISS JIM"

Last season's outstanding success in G-E Amateur Theatricals was without a doubt "Professor Pepp," presented by the Apprentice Association, and it was well recognized as such by all who saw it. This year it is going to be "Miss Jim," the tuneful college comedy which the Alpha Phi Club is preparing to put across unless some other organization jumps in and contends the honor.

"Miss Jim" is a bright, snappy, and up-to-the-minute musical comedy of college life, full of humor, song and everything that is usually found in a play written by Walter Ben Hare, who is well known to amateur players throughout the country. "Miss Jim" is cast in three acts and from the time the curtain goes up on the first act until the last note of the grand finale, there is not one dull moment; a veritable grouch cure in three treatments, guaranteed under the "pure fun laws" of Fort



KARL GELLER
Director of "Miss Jim"

Wayne, with a cast of twenty-four administering the gloom-dispelling medicine.

At the time this paper goes to press, there have been no plans made as to the date, committee, place, etc., except that it will be presented early in November, probably at the Emmaus Hall on South Broadway. Karl Geller, of the Tool-Making Department, Building 26-5, has been secured as director and is already busily engaged in making plans for casting this show in all the immensity that the play in itself will allow.

Speaking of the play, he said, " 'Miss Jim' is without a doubt the funniest play I have ever directed and I think it will be a good test for the dramatic ability of the Alpha Phi members, though I have not the slightest fear that it will go over in any way other than 'A-1' shape."

Mr. Geller, instead of using the popular songs of today, is writing his own words and music for the production and hopes in

this way to bring out the situations more clearly with songs that will be appropriate.

"Miss Jim" will be staged two nights and seats will be reserved as usual for both shows. Get yours as soon as they come out and be assured of a choice selection!!!

At Niagara Falls, besides great generators, there is an electric riveter said to be the largest in the world. It is being used to build steel intake tunnels for a hydro-electric project. It can put in 600 rivets in eight hours with absolute precision. Seven hand riveters would have to work four days to equal this.

NOON DAY PROGRAMS

This year we are trying to offer as varied noon-day programs as possible, so that we may meet the interest of everyone. A section of 17-3 (right off the bridge leading from Building 18-4) will be set aside for all (men and women) who care to play cards. If there is some particular game you wish to learn how to play come and we will teach you how, or come and watch the others. (George Prince, chairman of Card Committee).

Every girl likes to make pretty Xmas gifts and novelties. Beginning November 25th in the money room (18-3) the girls will find competent teachers to show them how to make the things they wish. If you are not sure what you wish to make, come and perhaps we can give you an idea. You will hear more regarding this later.

Building 16-2 will again be the scene of many pleasant and interesting affairs:

Monday: Has been left open for the department picnics, dancing or general use.

Wednesday: Free moving pictures.

Tuesday and Thursday: Several people last year expressed the preference for orchestral music for dancing, and the willingness to help maintain such activity. Hence the plan of charging a nominal fee will be tried out for a few weeks beginning Tuesday, October 14th. From time to time various orchestras will be tried throughout the season. F. A. Thompson, who is chairman of the Dance Committee, will be glad to have suggestions as to what orchestras will be most suitable.

Friday: Special Programs, as follows:

Oct. 17th—Play, by girls in Field Department, 17-4.

Oct. 24th—Readings—Frances Long.
Special music.

Oct. 31st—Patriotic Talk on Duties of Citizens.

Nov. 7th—Play—Alpha Phi.

Nov. 14th—Magician.

Nov. 21—Health Talk.

Nov. 28th—Play—Elex Club.

Dec. 5th—Readings and Special Music, European School of Music.

Dec. 12th—Local talent—Vaudeville stunts.

Dec. 19th—Community Sing.

For any special information or for suggestions call Miss Kinna, phone 195.

TWO APPRENTICES COMPLETE COURSES

Julian Franke and John Jauch have just graduated from the Machinist and Toolmaker course. Both boys received one



JULIAN FRANKE

hundred dollar bonuses for doing good work in the shop and class room, but Julian received a three months' credit on his work, while John received only a two months' credit.

Julian Franke is a Fort Wayne boy. He attended the St. Peter's Parochial School and graduated from the Central Catholic High School, where he took the Commercial course. He completed the four-year "Machinist and Toolmaker" course on September 8th. He has taken an active part in the Apprentice Association and is working at present for Mr. Hoffman in the Tool Room, Building 26-5.

John Jauch is also a Fort Wayne boy and also graduated from Central Catholic High School. Before going there he had attended the St. Mary's Parochial School. He graduated from the "Machinist and Toolmaker" course on September 28th. He is a member of the Apprentice Association and is now working for Mr. Renfrew, Building 4-2.

CALCULUS OFFERED BY G-E TECHNICAL NIGHT SCHOOL

In response to a number of requests from employees the General Electric Technical Night School is conducting a class in calculus. This class is open to all employees who have had algebra and trigonometry. Those wishing to enroll in the class should call H. G. Thuesen on phone 217 at once. A class in calculus has not been given for a number of years and will not be given again this year.

APPRENTICE ALUMNI ASSOCIATION

On Sunday, September 7th, we journeyed to Welbaum's grove for our Annual Picnic. At noon a "scrumptious" lunch was served by the entertainment committee. After lunch a ladies' and a gents' horseshoe tournament were on the program. Mrs. Welbaum won the prize in the ladies' tournament and Joe Miles won the gents' prize. Several other games were played. Of these the marshmallow eating contest proved the most entertaining.

The next event on our program was another Stag Outing at Rome City on Saturday and Sunday, September 27th and 28th. The entertainment committee made this event one of the season's best. Alumni members only were present, but at that there was a large crowd. The trip was made via automobiles owned by the members.

The next regular meeting of the Association will be held Tuesday evening, October 21st. There will be a large number of candidates to be initiated and a good program is in store. Don't miss it!!!



JOHN JAUCH

G-E SQUARES

The beginning of the Fall and Winter activities of the G-E Squares was marked by the election of officers at the September meeting held September 9th. H. G. Hoagland was, by a unanimous vote, re-elected to the presidency; L. O. Adams was elected vice-president, and Harvey Rath was placed in charge of the records and treasury.

At this meeting, the Fall initiation of the following new members were completed: From Purdue—R. A. Wilkins, J. W. Everett, C. E. Walters, David Kessler, and Kenneth Huyette; from Ohio—W. E. Winterhalter, Geo. A. Griffin, and C. V. Poling; from Minnesota—Hoyt Cass; from Wisconsin—Everett Thomas, L. S. Branovan, Royal Coates, and W. R.

Carlyon; from Kansas—Edgar Misegades, and C. J. Lydick; from Michigan—Sydney Shaffmaster, and Howard Osmun; from Terre Haute—Harmon Woerner, and Franklin Lisman; from Illinois—E. W. Doerr; from Montana—Curtis Baldwin; from California—J. J. Shelly.

Plans for a basketball team in the Inter-Departmental League were discussed. The winter program for dances and smokers was given attention but was left for completion in the hands of the social committee. The meeting adjourned amidst a haze of blue smoke from the customary cigars.

Of great importance in the events of the past month is the marriage of J. C. Porter, in charge of Transformer Specifications, to Miss Geneva Ticen, of Frankfort, Indiana, on Sunday afternoon, September 28th. The last rites were held in Colfax, Indiana. Immediately preceding his marriage, Mr. Porter spent a week at Pittsfield, Massachusetts, at a conference of Transformer specialists, where he was able to be with our old member, Ed Howell, and a week at his home in Martinville, Illinois. Where their honeymoon lead them we do not know. Upon their return they will live at 1312 Wildwood.

Harvey Rath, our new secretary and treasurer, reports that his recently arrived baby girl makes more noise than a transformer running under full load.

R. L. Whitaker, a new member from Michigan, is occupying the position of structural design engineer, formerly occupied by H. S. Ruggles.

H. Woener is in 16-3 doing some special work in the Planning and Maintenance Department.

Arthur Wise, past president of the Squares, is now connected with the Imperial Electric Company, Akron, Ohio, in the capacity of assistant to the chief engineer. He is working on the design of motors and generators.

The final match between Porter and Steinkemp in the Tennis Tournament will be played, if possible, when Porter returns from his vacation.



MISS MARGARET NASH

In Charge of New Rest Room

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Velma Arnold.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Verena Miller.....Decatur Works

REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
LaVera Vail.....Elex Club
Carrol Blincoe.....Apprentice Association
Russell Haruff.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. E. Hall.....Quarter Century Club
K. Szink.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
J. C. Porter.....G-E Squares
Josephine Zimmerman.....Absent Employees

Vol. 8 October, 1924 No. 10

WILL YOU TAKE THIS PLEDGE?

"I pledge myself to vote at the coming election. But I can't vote if I don't register. Therefore, I pledge myself to register and to make that registration good with my vote." Registration day here is October 6th.

Let's Make This the Year of the Big Vote

We Americans believe in majority rule. *We're not practicing it.*

Our forefathers placed in our hands a mighty weapon to make majority rule effective. *We're not using it.*

That weapon is the ballot. What are we doing with it?

In each national election since 1896 the proportion of voters has dwindled. In 1896, 80 per cent of those qualified to vote did vote; in 1900, 73 per cent; in 1908, 66 per cent; in 1912, 62 per cent; in 1920, less than 50 per cent. Four years ago 54,421,832 Americans could have voted, but only 26,786,753 did so.

Such is the descending curve of American democracy. Unscrupulous politicians get what *they* want by herding their masses of unthinking voters to the polls. Isn't it time more thinking voters were heard from?

REGISTER! VOTE! Instead of being a parlor patriot, a rocking-chair Paul Revere, let each American prove his right to citizenship.

Let's make 1924 the Year of the Big Vote.

—Reprinted from *Collier's*, *The National Weekly*.

DO YOU SEE OR DO YOU OBSERVE?

Sherlock Holmes stories contain numerous examples which effectively point out how unobserving most of us are. Those who have enjoyed these narratives may recall the following particular instance:

The great detective of fiction accompanied by his inseparable friend and companion, Dr. Watson, had just entered the study upon the second floor of the former's home. Sherlock asked Dr. Watson how many steps they had ascended. The Doctor had never observed. Thereupon, Sherlock called attention to the fact that the Doctor had seen that particular stairway almost daily and that he had ascended and descended it many times; but that having seen, he had not observed.

Recently, the Suggestion Committee posted a new placard headed "Wake Up!" The card bore an illustration of an alarm clock indicated as ringing. The large hands were set at six o'clock but the little alarm hand rested at a quarter to nine.

Of the thousands who saw the card, many of the more observing lost no time in making known their discovery of the discrepancy. To have devised a better means for determining the attention-getting value of these cards would have been difficult. Nevertheless, there were many who did not detect the error, and here again was another case of seeing without observing, as our detective friend would have put it.

Examples might be multiplied, not to teach us to count steps or to note things which to us may be inconsequential, but to encourage us to be more observing of the really important things that confront us.

All about us, day in and day out, we are seeing things without observing. We take our work with its tools and its routine just as a matter of course, although it offers unlimited possibilities for worthwhile suggestions. Too often, when we see some new improvement being made, we wonder why the thought had not occurred to us. We had our eyes open, but we were asleep. We need to wake up.

Of course there are those who, missing the really big opportunities right before them, jump at the trivial things such as minor repairs and changes which their foremen will take care of in normal course after disposing of more urgent matters. Such suggestors are observing but, like the alarm clock on the poster, they are always ringing at six when they are set for nine. Like the alarm clock, all they need is a little adjusting.

In all this, the main point to keep before our minds is that the Company needs suggestions—good suggestions. The best are those which reduce manufacturing or operating costs and those which materially better our products. The Company has no monopoly on the electrical business of the country. Large as it is, this Company gets but a surprisingly small percentage of the total available business in its line, and even for this small part it has to compete on a price and quality basis. We are justly

proud of the quality of our products but must remember that our competitors have pride in theirs too. Our aim should be to keep ahead by a safe margin so that the customer can easily detect a superiority in our favor.

And our prices must be attractive. This means that we must constantly try to reduce costs. Low prices and better goods pave the way for increased sales. This, in turn, means more work for everyone and a large turnover of capital with continued profits and the maintenance of good wages.

In large measure, each workman plays a very personal part in determining whether times will be good or bad as far as he himself is concerned. For that reason, let us right now resolve to give serious thought to our work today. What unnecessary things are we doing? Can we reduce the cost of anything? Can something be materially improved? If someone had our jobs and we ran the business, what would we want done differently?

Let us not be numbered among those who "though they have eyes, see not."

LOOK FOR THE G-E MONOGRAM

Investigate before you buy that electric washing machine, ironing machine, vacuum cleaner, vibrator, electric fan, or other electrical appliance or apparatus.

Be sure that it is equipped with a G-E motor, or is manufactured by the Company, if it is something we manufacture.

Stop to think what it means when you purchase electrical goods or equipment other than G-E.

By such a transaction a competitor is strengthened just so much, and is thereby made more formidable. By such a transaction G-E employees are deprived of a certain amount of work involved in the making of the motor or equipment in question.

One unit may not amount to a great deal. The combined electrical purchases of all G-E employees is formidable. It has been pointed out in a previous article that G-E employees have a purchasing power equal to that of a city of 500,000. A city of this size annually purchases motor driven devices using approximately 150,000 fractional horsepower motors.

The manufacture of 150,000 fractional horsepower motors requires a good number of people, and a considerable amount of time. The 150,000 fractional motors which will be purchased during the coming year by G-E employees, their families, relatives, and friends should be manufactured by the General Electric Company. The selling price of these motors will be a considerable amount. Part of this selling price will be yours, as a G-E employee, if the Company builds these motors.

It is worth while to buy devices equipped with G-E motors because: you are assured of a quality product; you, as an employee, share in the selling price of the motor; you strengthen the Company for which you work rather than a competitor; you help yourself by helping the Company.

GROUP LIFE INSURANCE

Deaths Reported for August, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
Thomas G. Whaley	July 25	Wife
Frederick Maier	July 27	Wife
George C. Mairs	Aug. 4	Wife
James J. Shannon	Aug. 6	Wife
Florien Wiesenfort	Aug. 9	Wife
Robert L. Windelspecht	Aug. 10	Father
Charles A. Gilchrist	Aug. 15	Wife
Frieda Scholz	Aug. 14	Father
Frank Cicio	Aug. 14	Wife
Edw. H. McDonald	Aug. 16	Wife
Louis Marotta	Aug. 19	Wife
William Stanton	Aug. 26	Wife
John A. Tiedeman	Aug. 18	Wife
Herbert M. MacMaster	Aug. 16	Mother
<i>River Works</i>		
Honore A. Robert	Aug. 17	Father
Frederick A. Hall	Aug. 12	Wife
<i>West Lynn Works</i>		
Michael R. Fitzgerald	July 15	Estate
Carl H. Nordfelt	Aug. 5	Wife
<i>Fort Wayne</i>		
Frederick O. Eisseidel	July 24	Wife
Henry F. Winkelmeier	Aug. 7	Wife
<i>Philadelphia</i>		
Frank Tanner	Aug. 8	Mother
<i>Minneapolis</i>		
Alex Mungle	June 9	Sister
<i>Cugar G-E Company</i>		
Rachel B. Alvarez	July 13	Husband
Total—23 Deaths		Estate \$29,300

MR. DANIELS IS SURPRISED

On Friday noon, September 19th, a surprise party was given in honor of Darrel Daniels, a foreman in the Meter Department. Mr. Daniels' birthday was not until Monday, September 22nd, but the girls, since they did not work on Saturday, decided to hold the party on Friday. There were sixty girls of the Meter Department present. Tables, decorated with a variety of flowers, were set in Building 26-4, and a bounteous lunch or rather dinner was served. After the meal the girls presented Mr. Daniels with a gold ring. The invited guests were Harry Andress and Elmer Schoenlein.

ERIE WORKS BUILDS BIG TURBINE-GENERATOR

With the completion of the 12,500 KW turbine-generator for the Cumberland County Power and Light Company of Maine, the Erie Works has established a new record for itself, this being the largest piece of apparatus of the type ever built at Erie.

The set was given its final test run on July 17th and, since this test was entirely satisfactory, it was immediately released for shipment. M. E. Durkee, of the Schenectady Turbine Engineering Department, who was present at the final test, stated in his report that the balance, operation, and general appearance of the entire apparatus was, in all respects, equal to similar units made at the Schenectady Works.

Much credit is due the Erie men who assisted in the manufacture of this turbine, as it was a new type of apparatus to them.

A NEW KIND OF FISH STORY

(This is a new kind of a fish story as told by Wilbur Stocks, who is employed in the Special Machine Department of this Works. He says that it is absolutely the truth, but we will leave it to you readers to decide. Mr. Stocks' friends did not ask him the size of the fish, for fear that they would not believe any of the story if they learned the size.—EDITOR.)

"During this summer I spent a week at Hamilton Lake, and one day when I was sitting on the porch of my cottage, I noticed something struggling in the water. I went down to the water and found, close to shore, a large bass choking on a blue gill. This blue gill was no small one, either. Then I reached into the water and picked up the bass. After taking the fish to the cottage I removed the blue gill and revived the bass and that night I had a fine bass for supper."

The Leviathan, giant of the seas, keeps every one of its 600 telephones in touch with every other telephone in the land, while the ship is in dock, by wire connections with one of the New York telephone exchanges.



TWELVE-POUND GREAT NORTHERN PIKE

Presented by J. L. Bireley (kindness of Mrs. Bireley) to the "Noon Fishing Club" at the G-E and enjoyed by the members at a special lunch at the Works Restaurant. This is a twin to the one Mr. Bireley caught previously this season, and which was illustrated in a recent issue of the Works News.

GREETINGS

(The following is a poem, each stanza of which was composed by Sam Agnew's fellow workmen in the Receiving Department. The initials of the contributors follow the stanzas which they contributed.)

There came from Ireland—that old sea port,
A broken-hearted man, but a darned good sport.
—T. R. D.

His name is Samuel Agnew
And his hair is fiery red—
—R. O. O.

If he waited longer to marry
He surely would be dead.
—R. E. P.

He lived for year—a life so free and bold,
But now, poor man, he's worse off than Leopold.
—G. D. M.

Well, Sammy, didn't I tell you,
"What's to be will be!"
Now do you agree with me?
—A. L.

"Nothing as bad as a bad marriage,"
Used to be his lay—
But now, dear old Sammy, what have you to say?
—F. B.

Better late than never,
As Youth cannot last forever.
—C. R. T.

You were a wise old man,
And your money was well spent—
But from now on, Sam, you'll never have a cent.
—A. C.

You ate pork chops and chicken
'Till the table was bare,
Now you'll be darned lucky
If you ever get this fare.
—H. B. S.

Your pockets will be empty,
And you'll be badly bent,
After you've paid the grocer,
The butcher and the rent.
—E. S. B.

Here's to you, Sammy, you old Married Man,
If you want to get away some night,
Just ask HER if you can.
—W. P.

The girls all used to smile at you
When you passed them on the street
But now, old man, since you have wed
They don't think you half so sweet.
—R. D.

"A cruel old world" you used to say;
What will it be a month from today?
The money you make for support—
Will that be paid out in a court?
—J. R.

Old Boy, at saving the nickels and dimes
You have been unusually busy;
But when the wife buys a few new hats
It sure will knock you dizzy.
—D. H.

Ever remember that it don't pay to quarrel—
When you're mad enough to choke,
Cause the word that stings the deepest
Am the word that's never spoke—
Let Her do the wrangling
Till the storm am blown away,
Then she'll think of the things
You didn't say.
—S. J. S.

Well Sam, old dear, you've had your day—
From now on, Kid, you "gotter" pay and pay, and pay, and pay.

—M. E. B.

Don't let this babble unnerve you
For I'll tell you what to do—
He that imposes an oath makes it,
Not he that for convenience takes it.
Then how can any man be said
To break an oath he never made?

—S. J. S.

Cheer up, old top, things probably look mighty blue,
But there's a lot of us in the same fix as you.

FOREMEN'S ASSOCIATION

Hold Picnic at Trier's Park

Three hundred persons were in attendance at the Foremen's Association picnic, held at Trier's amusement park on September 4th. Foremen, wives, sweethearts and children composed the large gathering and the arrangements for the outing were so complete that the day will long be remembered by all who attended. The afternoon was given over to the ladies and children and after working hours the foremen joined the throng of merry-makers. There were numerous games for the children and contests for the ladies. These were in charge of Henry Lepper, who was kept busy throughout the entire evening. Candy and peanuts, ice cream and pop were there in abundance and at six o'clock in the evening when the entertainment committee, headed by Oscar Weitzman, signaled that supper was ready there was a grand rush for the buildings where the bounteous supper was served. There were lots of good things and as usual, Jim Sivits had just what was right for the occasion. After enjoying this typical Foremen's dinner the entire party made for the House of Fun, which was turned over to the committee for the occasion, and it is needless to say the hours spent there were hilarious. The other concessions of the park were then visited and when the dancing started at the pavilion a section of the floor was reserved for the foremen. It was a very successful picnic, and, in spite of the threatening weather, was well attended.

Hold Business Meeting

The regular business meeting of the Foremen's Association was held in Building 16-2, Wednesday evening, September 24th, at which time a number of important matters were discussed. Among these was the nature of entertainment desired by the members for the coming season. While there was nothing definitely arranged, the entertainment committee was given a general outline as to what would be acceptable to the members. It is probable that in the future there will be a number of entertainments at which outside speakers will be present. These will be speakers who will talk on various topics of general interest to all; subjects that pertain to travels, sciences, business and industrial affairs.

NARRAGANSETT ELECTRIC LIGHTING COMPANY OF PROVIDENCE, R. I., IS ONE OF THE OLDEST PUBLIC UTILITIES IN THE COUNTRY

(Among the public utilities in whose stock the G. E. Employees Securities Corporation has invested part of the savings of those G-E employees who hold its bonds is the Narragansett Electric Lighting Company with which this article, the tenth of a series, deals.—Editor.)

"Little Rhody," the smallest state in the Union, has the largest population per square mile of any state and practically all its cities and towns, excepting Woonsocket, Pawtucket, and Newport, received their electrical energy from the Narragansett Electric Lighting Company, whose generating station is located in Providence, the Southern gateway of New England. Providence is an important industrial center, leading the world in the manufacture of jewelry and is in the heart of the textile industry, all of which goes to make up the increasing power load of the Company.

The generating station of the Company is advantageously located on tidewater at the head of Narragansett Bay, thereby enabling the Company to effect substantial economies in the shipment of fuel. For the past few years oil has been used almost exclusively for fuel, making the Company the largest central station in the east burning oil for fuel, and ranking the state third in the use of fuel oil, exceeded only by California and Texas.

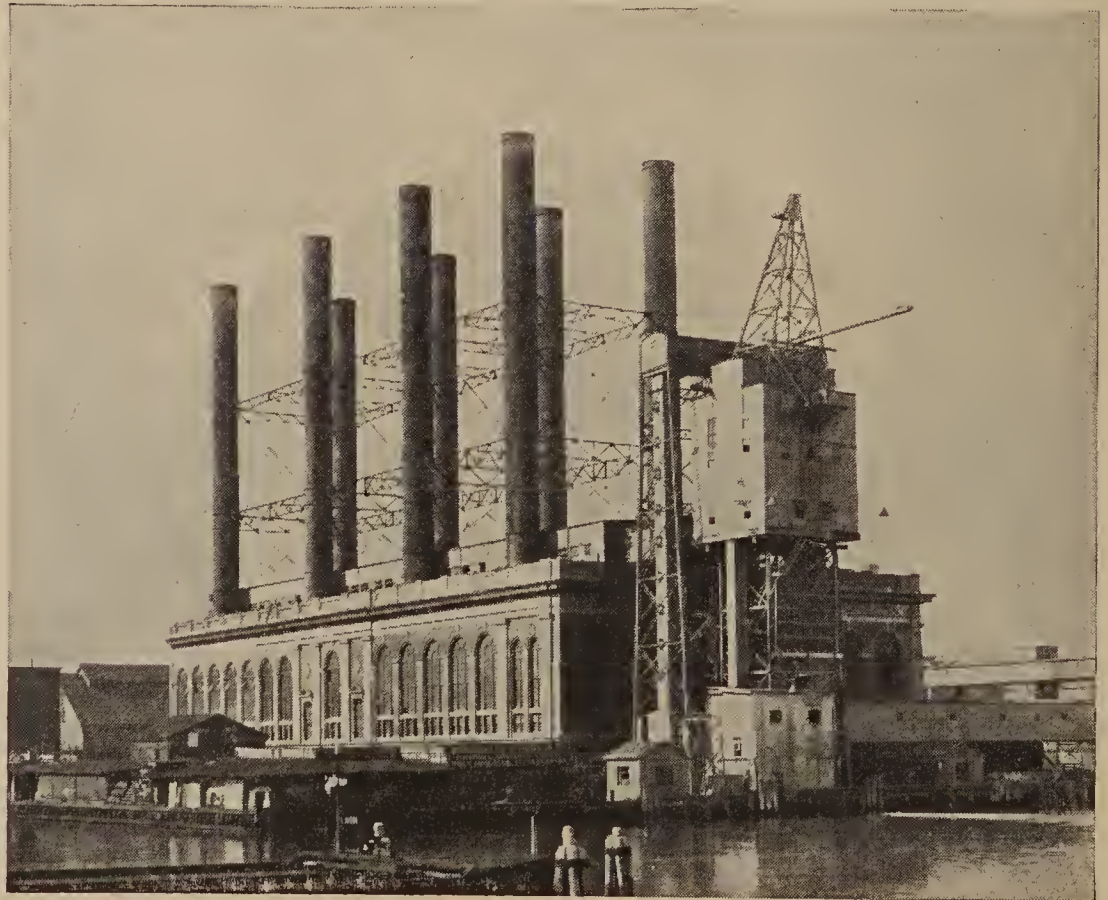
With the necessity of adding to its boiler capacity, the engineers of the Company have given considerable study to the developments in the use of coal in powdered form and the new addition will utilize coal in this form. The generating

capacity of the turbines is approximately 120,000 KW, of which 90,000 can be produced by two 45,000 KW machines, the largest turbine-generators in New England.

Through a 66,000-volt interconnection, the Narragansett Company is linked with the New England Power Company, whose transmission system embraces all parts of New England and extends into New York state. A reciprocal agreement between the two companies provides for the exchange of power according to the requirements of either company.

In addition to supplying electrical service to fifteen towns and cities around, and including Providence, the transmission lines of the Company supply service to the Narragansett Pier Electric Light and Power Company, Wickford Light and Water Company, Mystic Power Company, Seekonk Electric Company, Bristol County Gas and Electric Company, and the Westerly Light and Power Company, all subsidiary companies.

The Narragansett Company has kept pace with the growth in population, adding new customers to its list each year. At present more than 85,000 customers in Rhode Island and eastern Massachusetts receive their electric service from the Company. Likewise each year sees new improvements and additions in the generating station and transmission and distribution systems. An important develop-

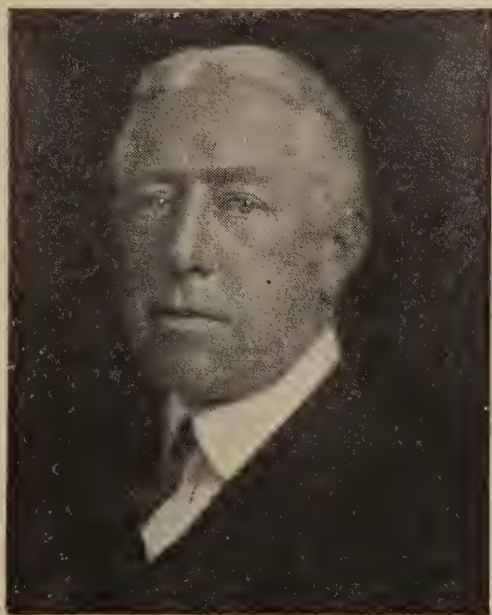


GENERATING STATION OF THE NARRAGANSETT ELECTRIC LIGHTING COMPANY, PROVIDENCE, R. I.

ment which was completed early this year was a switch house, one of the most modern of its kind in the country, employing the isolated phase feature.

For the year 1923, the output of the plant was 359,746,610 KWH, more than double that of the year 1919.

Pleasant relations with the public it serves and careful management have characterized the growth of the Company, which was incorporated in 1886. A regular eight per cent dividend has been paid without interruption since then. One of the oldest utilities in the country, it is also one of the pioneers in customer ownership, and has been extremely successful in its various campaigns to increase the number of stockholders, increasing from 2,000 five years ago to nearly 14,000 at the present time. All of the campaigns have been handled by the Company without the aid of brokers or outside salesmen, a notice through the mails and newspaper advertising accomplishing the desired result and each time the demand has exceeded the supply. The wide distribution of the Company's stock not only tends to cause a better feeling toward the utility but is of considerable value in the floating of new capital. For example, during the spring of this year \$3,264,000 of new capital stock was sold to 7,700 different persons at a cost of less than five cents per share, or one-tenth of one per cent of par—\$50.



EDWIN A. BARROWS

Narragansett Electric Lighting
Company

A recent analysis of the stockholders showed them to be in every walk of life, and nine out of every ten were customers of the Company. Sixty-five per cent of the employees eligible to purchase stock at the time of the last offer availed themselves of the opportunity and purchased about \$110,000 worth. Another offer has just been announced by the Company whereby employees may again obtain stock at a reasonable price on small weekly payments and it is anticipated that an even greater percentage will avail themselves at this time.

An important factor in the success of the Company has been the loyalty of its employees, many of whom have been with

the Company more than twenty-five years. In appreciation of this loyalty the Company has provided group insurance, maintained a house organ now in its sixth year, sponsors and assists in the development of the Nelco Athletic Club, an organization for social intercourse, and the Nelco Mutual Benefit Association, which provides for employees during disability.

The growth of the central station has necessitated the removal of certain offices and buildings from that property, and in 1923 a new service station was erected at a cost of nearly a million dollars. This new group of buildings houses the garage, storehouses, meter, street lighting, and construction departments, and the operating executives. Here excellent working conditions are provided and a most modern, electrically operated cafeteria furnishes clean, substantial food at reasonable rates. An auditorium seating 500 is included as well as shower baths, rest rooms, etc.

The Company has as its President, Edwin A. Barrows, prominent in electric light circles for more than twenty years, whose broad vision and executive ability have done much in cementing the friendship of the utility and the public. The board of directors is composed of prominent financiers and business men.

COATING DEPARTMENT, BUILDING 2-E

Building 2-E, I suppose,
Is a building no one knows.
The work we do I must say
Is material they use every day.

The non-carbon charts is a piece
That nobody can ever fleece.
It marks very destined
Without a drop of ink.

The machine is a coating affair,
To hang its paper in the air.
It dries a day and then to sheet,
So every day we can repeat.

The big machine is a coating affair,
So it can hang its paper in the air.
The material is in loops upon the racks,
So it can follow around the tracks.

The material is wrapped upon a core,
That way we can spool more and more.
Material weighed, notice made,
That is the way we are paid.

Sheets we dip and prepare,
We hang them on a rack in the air.
They hang and they dry,
Then we remove them by and by.

And then racks we refill,
By orders received from Bill.
We work hand in hand,
And furnish their demand.

To finish this little story I should say
We follow this work every day.
We do the work that is there,
And play the game fair and square.

—L. C. S.

A WASTE PRODUCT OF SUGAR MAKING NOW UTILIZED

General Electric Equipment Figures in This Utilization

As romantic as "making two blades of grass grow where only one grew before" is the achievement of a group of paper workers, lumber men and chemists of Minnesota who have just worked out a process whereby one of the liabilities and nuisances of sugar plantations has been converted into an asset capable of producing revenue amounting to a million dollars a year.

The waste product which has been thus transformed is bagasse, the fibrous residue of sugar cane after the juice has been extracted. Formerly this substance was burned under the boilers of the sugar mills, not because it is a good fuel, as it isn't, but because there was no other way to get rid of it.

By the process just perfected, the bagasse is fed into a cooker, where it is combined with chemicals and small amounts of old newspapers, and then as a pulp is fed into rolls and finally into an enclosed drier, coming out at the end an absolutely dry board. Its commercial possibilities are several. It is used in refrigerator cars and cold storage warehouses, in the manufacture of fireless cookers as insulating material, and, most of all, in the building of dwelling houses, where it serves as sheathing, plaster base and wall finish.

The electric drive is used throughout in the big plant at New Orleans which turns out this product and which represents an investment of \$2,000,000. The power equipment, built by the General Electric Company, comprises a 2,500-kilowatt turbine generator, a thirteen-panel switchboard, and a miscellaneous installation of motors for driving the various units, aggregating about three thousand horsepower.

The effect of this constructive process in making something worth while out of former rubbish is to save thousands of dollars to the planters, create thousands of tons of freight for the railroad and reduce the cost of building operations.

BIG OPPORTUNITY GIVEN TO G-E EMPLOYEES

If you have not already purchased the maximum amount of G-E Employees Securities Corporation bonds to which you may be entitled during this calendar year, and have some money to invest, don't overlook this opportunity to purchase such bonds for cash. And don't forget that the opportunity is open for you to exchange Employees seven per cent Investment Bonds for the G-E Employees Securities Corporation Bonds, even though you may have subscribed for \$500.00 worth of these bonds during 1924. This privilege expires November 30th, so don't put off the exchange too long if you wish to get in on this opportunity.

Girls Department



Miss Isabelle Barron Only Woman to Receive Coffin Award in 1923

The way in which a secretary, or other business woman, co-operates with the men in her office, giving "a fair deal in exchange for a fair deal," determines her success in business. That is the belief of Isabelle Barron, the only woman to win a Coffin Award last year, but who predicts that there are going to be a lot more women's names among the winners in future years.

It seems almost the rule that those who receive the largest rewards from their work, enjoy it most. "Bill" Madigan, whom Monogram readers read about a while ago, said that work to him was a game, and here comes Miss Barron with the words that "business is about the only indoor

sport I am really fond of." And don't think that business has robbed Miss Barron of her sense of humor, for she says the only remedy for "wanderlust" is to wander, or get appendicitis—she got it last year when the wide, open spaces were calling to her hard, and she was mighty glad to get back to her old position.

Those girls who want to be queen bee in their business surroundings might well hearken to the words of Miss Barron, who suggests that the queen bee push the drones aside. "Make your men look to their laurels, lest you take them yourself," she says.

In the modern industrial plant the shrinking violet type of secretary isn't apt to get very far. If she isn't helping herself along, no one else is going to move heaven and earth for her advancement. So it's Miss Barron's advice to "Fight for the job that you can do and which you feel sure you are entitled to. Be ready to walk right into an opening, be it left by man or girl. You will make everyone hustle and open the windows of their heads."

In her school days, the "three R's" in-

terested Miss Barron, with the exception of 'rithmetic. Even at that age, she liked to dig for material to use in English compositions, and altogether she felt that she liked the sort of subjects that would make stenographic work a joy. She is a believer in deciding on one's vocation at least by high school age. "Just to jump to a decision and jump to any old school for business training and jump out and into a position, is not enough," she says.

After she finished Albany Business College, our aspirant for a business career started in asking questions in Mr. W. S. Moody's busy office in Schenectady. That is part of her advice to the ambitious girl—to "exercise your Stone Age prerogatives of asking questions." And it has always been her experience that the men in her offices have been glad to answer them. Perhaps one reason is that she never asked two alike. And then, too, Mr. Moody's secretary, E. J. Ryan, coached her so well that she never made two mistakes alike. "They were so different that the men had to watch for them constantly, knowing that they would always find them in a different place."

Mr. Averett's Induction Motor Engineering Department gave her the chance to ask a new set of questions, which were again met with great willingness on the part of Giles and Howard Maxwell and Milton Wells, members of that department. After a year or so Miss Barron joined R. E. Russell and F. W. Shakelford in the Transformer Department. After a short time she joined E. C. Hall, of the same department, where harder work and more "commercial atmosphere" brought the welcome experience which she craved. Finally in 1914 she went to Pittsfield on the transfer of part of the department at the same time as Mr. C. Jones, for whom she has been working since 1913. And from the time she started work for Mr. Hall, she says she has been "wrapped up in the transformer business."

These remarks about her present chief give some idea of Miss Barron's generous appreciation. "He has taught me a great many things. Always patient and never too busy to explain, glad to have me become more adept, glad to have me ask questions—it has been brain food for us both, of course, as teaching and learning always are. He has given me unlimited and unusual responsibility."

A responsibility which, to use the vernacular, she gets a great kick out of, is the entertainment of district visitors and customers, a duty which put into her head the ideas leading to the record system which gave her the Coffin Award. Here is the kind of business day which Miss Barron fairly eats up.

"It is a nice feeling to have one's desk—large like myself—littered so that it does not seem to have any beginning or any end, with incoming mail, etc., and then have several customers with district representatives come in, some foreign possibly. To find out their varied wants—which often have little to do with transformers—to see that they eat happily, play golf if they wish, to reserve this and to reserve that, see that they get to their trains, cars, boats,



PRESIDENT SWOPE, MISS ISABELLE D. BARRON AND MR. C. C. CHESNEY, MANAGER PITTSFIELD WORKS

and whatnot"—almost any woman is satisfying her normal hostess instinct in taking care of such hospitable details. "Then start to clear up the desk, chase this, that and the other thing, leave maybe on time, maybe a little late, maybe a whole lot late, knowing fairly well where one is at, and happy in the things accomplished—it is like a good scrap—leaving my chief free to do the heavier things and make either a new customer or a closer relation with one already partly or wholly our friend. It is extremely pleasing to know that at times we have sent away happy a man or two who used to spend more time at a competitor's and now at least divides it and finds Pittsfield G-E a sight for sore eyes."

As a result of her records system, Miss Barron's department can quite literally lay its cards on the table before a visiting customer, without delay. "If it is large transformers he buys," she explains, "we can show him that we know right under our noses what he has bought from us, from others, just what troubles he has had with our apparatus, and soon, we hope, just what he has had with others. He is pleased that we are already posted on him as an individual, that we are ashamed of the trouble he has had, but that we are going to satisfy him eventually." It didn't take Miss Barron long to see that such numerous items, which she and her associates carried in their heads, ought to be recorded for the benefit of others; so she set about devising a system. That she had to give it up in the midst of things, in order to make an enforced visit to the hospital, makes it just so much the more interesting, she feels. With what she fitly calls "the American fighting spirit," she is striving for her system's perfection.

Miss Barron's statement, "I am very fond of statistical work; we make it our business to mind every one else's business, feeling protected in that old saying, 'People who mind only their own business do not mind much,'" goes a long way toward explaining the "whys and wherefores" of her record plan. "We hunt for all kinds of information, but never for trouble. That just arrives, and some of the water I have been in has been extremely hot—all due to my own lack of something," she modestly adds, "but always, after analysis, with something learned."

Her love for the beauty of Pittsfield's countryside reflects in her simile, "Like any road, the business one has many detours, but there are pretty spots to travel." Miss Barron is actively fond of golf, and of most of the same outdoor sports as the men, and she says "we speak the same language." She attributes her good health, in part, at least, to the sound sleep that exercise in the open air brings. And sleep, she knows, "must be treated fairly if one is to compete fairly in the favorite indoor sport—business. It is impossible to burn the candle at both ends."

"What are my ideas as to women in business?"

"For the girls I would say, be sure you are doing what you are best fitted for; that you are working for a man who is giving you a fair deal in EXCHANGE for a fair deal; that you are giving sane thought to outdoor sports in order to make your pic-

ture of life better and healthier; that you use your Stone Age prerogatives of asking questions, and are satisfied with your answers; that you look around you for new duties and work so hard and so well that you can't help getting ahead. No matter what the pessimists may say, anything which you do for the good of the Company will react favorably on you in the long run. Lift so many burdens from the shoulders of your chief that you will know he thinks you are real gold, even though he doesn't say so; that will permit him to do more and bigger things, and he will be a happier man to work with and for."

Miss Barron's sincere appreciation of the help which her men associates have given her does not keep her from realizing that not all secretaries are so fortunate in their superiors. So she advises the girl who is absolutely convinced that her chief is unfair and is actually holding her back from promotion, to look around and see whether she can find another employer. "The Company is full of big men only too glad to adjust such matters satisfactorily," she says. "It is not necessary, in such an organization, at least, to work where you are unhappy or limited, if you can honestly say the fault is not yours."

As for men in business—here are her words to them:

"Do as every man has done for me. Give your girl a fair chance if she is worthy. If she wants part of your job, let her have it, and do something harder which she cannot do. If you have a word to say for a position and have a girl fitted, let her try for it and let your men do something else. Make her job so interesting and trust her so much that she will put business before everything else, at least before a good many things. She will, if you go part way, make her service worth it all, and will be a happier and more efficient assistant—whether secretary or not. If you give her hard things to do, and let her use her own judgment, the team result will be bound to be pleasing to your superiors."

Miss Vida Fike Leaves

A delightful farewell party was given Wednesday, September 17th, by Mrs. Isabelle Elder, of McKinnie Boulevard, in honor of Miss Vida Fike, who left on September 25th for California, where she will spend the winter. Bunco was played and at the conclusion of the games the hostess served a dainty two-course luncheon, the table decorations being carried out in yellow and white. The honored guest was presented a beautiful gift. Prizes were awarded to Mrs. Alma Gary and Miss Hilda Vergon.

Covers were laid for the Misses Ordine Butcher, Agnes Colchin, Hilda Vergon, Mildred Darr, Alice Elder, the honor guest, and the Mesdames Fern Burris, Alma Gary, Edna Herbst, Elva Collins and the hostess.

The following girls enjoyed a marshmallow and wiener bake at Foster Park, September 17th: Bertha Rodewald, Gladys Skillman, Hilda Neeb, Berneda Sapp,

Nirea Miller, Ann Linneman, Frieda Stalf, and Alma Lehrman. They are all employed in the Small Motor Department, Building 17-4.

Miss Cook Leaves

The Misses Carrie Burke, Jo Zimmerman, Luella Bullerman and Luella Maisch, all of 19-1, united in giving a farewell party on September 5th for Miss Helen Cook, of the Employment Office, who left to attend Indiana University. It was a complete surprise to Helen and after the excitement the girls all sat down to an inviting spread. The girls presented Miss Cook with a dainty and useful gift.

The following Wednesday night Carrie Burke, Luella Bullerman and Luella Maisch drove to Helen's home at Arcola. The girls played bridge, after which a delicious luncheon was served. An enjoyable time was had by all and an exciting one on the way home. We all wish Helen the best of luck in her new undertaking.

Girls Hold Wiener Bake

The operators of the Radio and Bell Transformer Department, under Mr. Driftmeyer in Building 26-3, enjoyed a wiener bake Thursday, September 17th, at Foster Park. The girls met right after work and it wasn't very long before they were at the park and had their wieners sizzling. Edith Rempis did not seem to be able to keep hers on the stick, but after all, all of them have had that luck some time or another. After the bake was over the girls danced to the music of a Victrola, which someone had been kind enough to take along. There was even a ghost to entertain them for a while.

Hallowe'en Is October 31

Hallowe'en—and a party of course. The guests come dressed in fancy costumes and masked. The fun starts when they arrive. The house is dark and all are ushered to the living room by someone in ghost attire, where they find the hostess charming as a modern witch. Her costume is made of two widths of crepe paper sewed together and gathered for the skirt. (It is possible to buy two designs of crepe paper—one with cats and the other with witches—which will fit exactly together one above the other). A plain pointed bodice of orange is used. The skirt and waist are sewed to a plain slip foundation. The black crepe paper cape is lined with orange and finished with a "witch" border. It is gathered near top for frill at neck and tied with orange ribbon. The crown of the hat is a cornucopia of black matstock and the brim is a circle cut out to fit the head joined to the crown. The hat is trimmed with a witch cut-out. The under side of brim is covered with an orange crepe paper frill.

Friendly greetings are exchanged and another ghost leads the guests to the dressing room. The gentlemen are detained, handed a pencil and clip of paper on which each is asked to write a unique description of his costume. These slips go into



HALLOWE'EN COSTUME MADE FROM CREPE PAPER

the cauldron and no one knows what may develop 'ere the evening of witchery is over.

The cheery fire crackling in the grate and the decorations over the mantle ablaze with color afford practically the only light. They consist of autumn leaves cut from crepe paper attached to natural branches; sprays of pointed leaves of brown, red and orange crepe paper fastened on wire stems, cardboard pumpkins and cat's heads and above all a border of spooky cats, owls and bats printed on orange crepe paper. Opposite the hostess in among the leaves is perched "Spook," her pet. Spook's head is a ball of white crepe paper on which features are drawn with ink. Strips of black and orange crepe paper braided, serve as a body. The braid is tied with ribbons near the ends and the paper is slashed into a fine fringe for the hands and feet. Orange crepe paper is gathered for the neck frill.

The witch must have a cauldron, for

here is where she brews all merriment. Three sticks of same size are tied together for stand as shown, but these are first wrapped with strips of black crepe paper. From these strips suspend a kettle, which is made of black crepe paper gathered over a cardboard box foundation. The flame is formed of strips of red and orange crepe paper cut into points.

When refreshments are to be served one of the ghosts tells the girls to draw slips from the cauldron and find partners. As everyone is still masked the young ladies find their partners by the costume descriptions on the slips drawn. When all partners are matched, masks are removed and each one discovers what the cauldron has been brewing for them.

An appropriate menu for a Hallowe'en party is:

Apple and Nut Salad	
Cheese Sticks	Doughnuts
Orange Bonbons and Gum Drops	
Cider	Mixed Nuts

Marriages

Stoner-Oechsle

Miss Lydia Oechsle, of the Insulation Department, Building 10-2, was quietly married at her home in Van Wert, Ohio, to Albert Stoner, about two months ago. The young couple kept it a secret from their friends here at the Works until the middle of September. Here's hoping the couple have a long and very happy married life.

Crighton-Diffenderfer

A quiet and simple wedding of much interest took place on the evening of September 15th, at 10 o'clock, at the home of Mrs. Harriet M. Diffenderfer, of South Harrison Street, when Rev. H. B. Hostetter, of the Third Presbyterian Church, united in marriage Mrs. Diffenderfer and William E. Crighton, head of the Drafting Department of this Works. The wedding service was read in the presence of a few of the most intimate friends of Mr. and Mrs. Crighton. The couple left at midnight for Mackinac Island and upon their return to this city made their home at 2401 Hoagland Avenue.

Renner-Ueber

On Wednesday morning, September 17th, at 7 o'clock, Miss Isabelle Ueber, typist in the Material List Department, was married to Jacob Renner, an employee of the Small Motor Department, at St. Peter's Catholic Church, Rev. Nicholas Huemmer performing the ceremony. The attendants were Miss Mary Harlan and Joseph Ueber. Following the ceremony a wedding breakfast was served at the home of Mr. and Mrs. Henry Dierstein on Scott Avenue. Covers were laid for twenty-five. Later Mr. and Mrs. Renner left on a wedding trip and upon their return will reside on Jackson Street. Mrs. Renner will return to her work in the Material List Department.

Miscellaneous Notes

Miss Helen Gnau, of the Accounting Department, left on Saturday, September 13th, to enjoy a week's vacation at home.

Miss Rosella Keip, of the Pay Roll Department, left on Saturday, September 13th, to enjoy a week's vacation.

Miss Georgia Wait returned to work on Monday, September 15th, after spending a week with her aged father. She is employed in the Small Motor Department.

Miss Fern Holtrey left on September 15th to visit New York, Atlantic City and other points of interest. She is also employed in the Small Motor Department.

Miss Bernadine Hergenrather and Irene Fox, both of the Meter Department, spent the week-end of September 13th and 14th visiting friends in Detroit. While they were there they attended the Washington-Detroit baseball game.

Miss Pearl Witwer resigned her position in the Meter Department, Building 19-5, on September 12th, because of illness in her home.

Miss Agnes Dresen, of the Meter Department, Building 19-4, returned to work on September 15th, after spending two weeks at Springfield and Decatur, Illinois.

Mrs. Albert Barge, formerly Miss Helen Braun, returned to her duties in the Meter Department, Building 26-4, on Monday, September 15th.

Miss Luella and Edna Tarmon, both of the Small Motor Department, were spending their vacations around September 9th motoring through Northern Michigan and Southern Canada.

Mrs. Myrtle Simmons returned to work on September 8th, after enjoying a two weeks' vacation. She is employed in the Small Motor Department.

Miss Mildred Darr, of the Meter Department, left on September 6th to enjoy a two weeks' vacation at the home of her parents at Fremont, Indiana.

Miss Ilene Wright, of Building 19-5, returned to work on September 8th, after spending a two weeks' vacation at the home of her parents at Kendallville, Indiana.

Miss Ruth Pressler, of the Meter Department, left on September 8th to enjoy a three weeks' visit with her parents, who live near Columbia City, Indiana.

Miss Helen Cook, of the Employment Office, left Saturday, September 6th, to enjoy a two weeks' vacation before leaving for Indiana University to resume her studies.

Miss Hilda Aumann resigned her position in Mr. Barnes' office, on September 1st, in order to resume her studies at Indiana University. She will be a senior this year.

Miss Gladys Haiber, stenographer for N. T. Kelso, of the Fractional Horsepower Motor Engineering Department, returned to work on Monday, September 15th, after being absent for nine weeks on account of an operation for appendicitis. Here's hoping she continues to be in good health and not have any more operations.

Mrs. Fern Burris, of the Meter Inspection Department, returned to work on September 15th, after spending a week motoring through Michigan and Canada.

Miss Loretta Speilman returned to work in the Meter Department on Tuesday, September 16th, after being absent for three months on account of ill health.

Mrs. Veda Pollock, who has been employed in the Pay Roll Department, resigned on September 13th.

Miss Edna Hirshfelder, of the Order and Stock Department, has been recently transferred to the office of Mr. Richey, Transformer Engineering Department.

Mrs. Maud Becker left on September 13th to enjoy a week's vacation. She is employed in the Accounting Department.

Miss Dorothy Thompson and Miss Erma Sommers, both of the Pay Roll Department, have returned from a week's vacation spent in Chicago.

Miss Erma Lageman, clerk in the Blueprint Department, spent her vacation during the two middle weeks of September at Chicago, Illinois, and Kenosha, Wisconsin.

Miss Margaret Wesling, formerly of building 19-4, has been transferred to the Transformer Department, building 26-2.

The new employees in the Radio Transformer Department are Marie Brown, Hattie Kayser and Vera Ball.

Miss Viola Havert resigned her position in the Transformer Engineering Department to take up stenographic duties at the Lakeside School.

The weiner bake fostered by the Alpha Phi Club which took place in Foster Park, Wednesday night, September 24th, was a howling success.

The crowd met at the entrance of the park and descended bodily into the heart of the park, where the festivities occurred.

"Ring Around the Rosy," "London Bridge," and other dignified games were played.

Elex Club

Annual Banquet

Approximately 180 members of the Elex Club attended the Ninth Annual Banquet and Election of Officers held in Building 16-2 on Tuesday night, September 23rd. They were girls from every part of the factory and office and such a large attendance showed that the girls are really very much interested in club activities.

The guests who were present were Mr. and Mrs. E. A. Barnes, Mr. and Mrs. W. J. Hockett, Mrs. Jesse Lipkey, Mrs. Walter Kent, Mrs. Harold Palmer, Mrs. Harry Hogan, Miss Martha J. McLane, and Miss Clarissa Scott. Those who were not able to attend were W. S. Goll, Mr. and Mrs. J. H. Evans, Mr. and Mrs. H. A. Hartman, Mr. and Mrs. P. C. Morgenthaler, and Mrs. J. S. House.

We are sure that everyone enjoyed very much the musical entertainment given by

Miss Vera Ewig, violinist, and Miss Irene Parvin, pianist.

Hilda Walda, president, presided at the meeting. After supper was over she first called on Mrs. Jesse Lipkey, president of the Y. W. C. A., for a talk. Mrs. Lipkey called attention to the opening of the long-awaited-for swimming pool on October 3rd and urged the girls to make as much use of the Y. W. C. A. facilities as they wished.

The next two numbers on the program were two clever dances by small pupils of Miss Violet Reinewald who were given a very enthusiastic reception.

Mrs. Walter Kent, chairman of the Industrial Department of the Y. W. C. A., also mentioned the opening and dedication of the pool and stated that the Y. W. C. A. building will be open for inspection from top to bottom on the night of October 3rd. There will be demonstrations in the pool and gymnasium, luncheon in the cafeteria, and moving pictures on the roof garden if the weather permits, as well as other features. She hopes that every one will come.

Mrs. Kent was followed by Agnes Moorman, who, with Lillian Steup, went to Dewey Lake to attend the Industrial Girls' Conference there this summer. Her report of the daily happenings was very interesting and one could see that she was enthusiastic about it.

Seven states were represented at this conference, aggregating forty-seven Y. W. C. A.'s, which in turn were represented by 285 girls. At the conference there were many recreational activities as well



Above is a view of the new rest room in Building 2 in connection with the dispensary. This room has been equipped with every convenience possible for the comfort of those who find they need rest or medical attention. It will meet the needs of the girls much more adequately than the former rest rooms in the departments, because of the supervision of the nurse—Miss Margaret Nash. Miss Nash, who succeeded Mrs. Shick, came to us recently from the Lamp Works, where she had been employed for almost five years.

as lectures and discussions, and a little excitement thrown in occasionally.

On exhibition night Lillian Steup gave a talk on the manufacture of armatures and motors.

The girls from Akron, Ohio, had a rubber display. It was interesting to know how many different chemicals are used in the composition of rubber before it is ready for the market in various forms.

Flint, Michigan, had a model Buick car, three feet long, all fitted up and complete except for the motor.

Warren, Ohio, gave an exhibition of Mazda lamp bulbs, such as are used in searchlights, ship yards, etc.

Grand Rapids had a display of undergarments made from wool showing the various processes of manufacture.

The Young Girls in Business and Industry at Toledo had an exhibition of the telephone.

Piquay, Ohio, showed sweaters and knitted garments.

There were, of course, other interesting displays, but this will serve to show you how the girls manifest their interest in these conferences.

Lillian Steup was then called upon to tell about the educational side of Dewey Conference. Some of the subjects about which they had interesting and sometimes heated discussions were Education, Citizenship, Married and Foreign and Colored Women in Industry, and others. Lillian said that a great many of the things the girls got at conference cannot be described in words, but the thoughts are there and the girls will not forget them soon.

The secretary's report was read and accepted, as well as the treasurer's report, which showed a balance at this date of \$142.16.

Election of officers for the new year resulted as follows:

President—Lois Miller, Bldg. 4-5.

Vice-President—Chloey Hamilton, Bldg. 19-4.

Secretary—Tressie Singrey, Bldg. 6-3.

Treasurer—Dorothy Coles, Bldg. 4-5.

Mr. Barnes, who was next called upon, spoke in part as follows:

"Ladies of the Elex Club:

"I don't know just what your retiring president meant by sending Mr. Hockett away and leaving me here alone with so many girls, but inasmuch as I have talked to you on about eight or nine different occasions on annual meetings I don't feel quite so embarrassed as I would if I was a greenhorn at the matter.

"In the first place I want to thank you for inviting Mrs. Barnes and me here tonight. When the club first started they used to get me here as an inspiration; but now they get me here to get inspiration, and when I look into these intelligent faces that—I am not exaggerating—grow more beautiful and more plentiful every year, I feel that our efforts along the line of getting Elex Club on its feet were really worth while.

"I bespeak for your new president the same amount of pep that has characterized the club for the last eight years, and I will say for the General Electric Company that we will not let you get any better than

fifty-fifty on the benefits you derive from these meetings.

"It is very gratifying to see so many young ladies here tonight; but I think on important matters of this kind you ought to do as I have done, put off other engagements and come and see the thing through. A club of this kind is like a bank—you get out of it only what you put in, and if you want more returns from your investment you must put more into it.

"The General Electric Company has no ulterior or selfish interests in keeping this club alive. We feel the same as all forward looking industries do, that by having people enrolled in the personnel of the Works working with us, if possible, rather than working for us, we get better co-operation; and we feel that since the girls, of whom we have a thousand employed in our Works (a small town alone), are promoting this club and getting behind it and helping it, we must do something for them in order to make them feel they are appreciated. Some of them when they get their pay envelope on Friday know they are appreciated and others are not quite so sure about it. But if they get into this club life the results will be surprising.

"I see a number of ex-presidents here. I will say there has been a wonderful growth. Cora Blue, Irene Fox, and Lenora Homeier were some of them. I think Miss Homeier was the one girl of all of them who started this club with a good kick and a punch, because she was the one that came down to my office and said, 'Mr. Barnes, if we can get seventy-five girls in Elex Club, will you help us to buy a piano?' I said, 'We will *buy* you a piano, if you get 100 girls in the club, we won't *help* you at all.' I don't think her work was fully appreciated at the time. I want you girls all to know that when you look at this piano you ought to know and think of the girl who has passed away. We are in hopes one of these days to buy, perhaps, a better one.

"I don't want to monopolize all of your time. I am the only man on the program, so with another word of thanks, I will sit down."

* * *

Miss McLane talked next about the Industrial classes every Wednesday night at the Y. W. C. A. The following are the ones that are being offered this year:

Arts and Crafts—Free.
Basketry—\$1.00.
China Painting—\$1.50 (15 registrations necessary).
Citizenship—Free.
Gymnasium—\$1.00. (Formal floor work).
Know Your City—Free.
Swimming—(See schedule for rates).
Sewing—Free.
There will be four terms:
First—October 8th to November 19th.
Second—December 3rd to January 28th.
Third—February 11th to March 25th.
Fourth—April 1st to May 13th.

After that a motion was made and carried that the new president and the two Dewey delegates should attend the setting-up conference of Fort Wayne industrial

girls at Camp Yarnelle, September 27th and 28th. This conference is held every year as a prelude to the winter's activities, and the girls exchange plans and new ideas to be used later in their club affairs.

Hilda Walda, retiring president, thanked the girls for the support and assistance they had given her during the past year, and asked them to co-operate as well with the new president.

Mrs. Harold Palmer was introduced and asked to give a talk. She spoke about the relation of health and recreation to their work and urged them to get out and have a good time after work and forget their worries. She also led the girls in a few songs and yells.

Miss Scott explained registration for the swimming pool and gave other detailed information.

Membership Drive

Up to September 25th the number of new members secured and reported was: East side of Broadway, 128; West Side, 137. A contest was conducted, the two sides being led by the two Dewey delegates, Lillian Steup and Agnes Moorman, and the side which secured the most members was to be entertained at a party of some sort by the losers. It looks as if the East Side is going to find itself in the hole.

We feel that the drive has been very successful and wish to thank the members of the committee for their hard work and the enthusiasm shown.

Important Dates

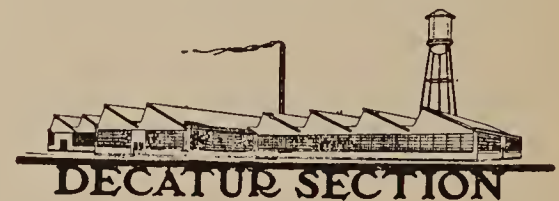
When

October 3rd—All evening.....
October 8th and every Wednesday.....
October 13th—7:30 p. m.....
November 1st—12:30 p. m.....

What

Where

Opening of Swimming Pool.....Y.W.C.A.
Industrial Classes.....Y.W.C.A.
B.T.A.A. Semi-annual Meeting, Y.W.C.A.
B.T.A.A. Hike.....Y.W.C.A.



G-E Banquet Held at K. of C. Hall for Management and Employees

A banquet was held at the K. of C. Hall on Friday evening, September 19th, for the management and employees. The meal, which was enjoyed by everyone present, was prepared by Joe Lose.

Howard Miller, accompanied by Paul Speigel, at the piano, sang a number of solos, that received a great deal of applause. Both these men were from Fort Wayne. Howard Freeman, also of Fort Wayne, however, decided that the crowd

should furnish the entertainment, and accordingly he proposed community singing. All joined in and sang "Keep the Home Fires Burning," "Old McDonald Had a Farm" and others of Mr. Freeman's merrymaking favorites.

E. W. Lankenau, head of the Decatur plant, introduced the Messrs. Walter Goll, E. A. Barnes, J. H. Evans, P. C. Morganthaler and L. D. Hodell. After the business session, the G-E Orchestra furnished music for dancing.

Boys Leave for College

Messrs. Harry Yahne and John Teeple, reamers in the Automatic Department, under William Heim, left the employ of the Company to go to college. Mr. Yahne, who has been an employee for two years, and has been very successful at his work, left on August 23rd to enter Ann Arbor, Michigan, where he will take up the study of law. John has been employed only one and one-half years. He began his studies in civil engineering at Purdue University on September 11th.

Linn Kern, of the Manufacturing Standards Department, resigned on September 6th, in order to resume his studies at Ann Arbor, Michigan. Linn is a very efficient young man, both in his work and in athletics. During the '23 and '24 basket ball season he played forward on the team and added greatly to the strength of the team. He also helped to make its score a high one.

Marriages

Hart-McGill

Two weeks ago Miss Effie McGill announced her marriage to James Hart, of Monmouth, which took place on August 9th. Mrs. Hart kept her marriage a secret for six weeks before her friends found it out. These friends presented her with a beautiful mahogany tray and a set of cut glass tumblers. The bride is at present employed in the Winding Department.

Teeple-Barrone

Fred Teeple, of the Finishing Department, was quietly married on September 13th (evidently the young couple are not superstitious) to Miss Iva Barrone. Miss Barrone has been employed at the N. H. C. Segar Store in Decatur for several years.

Births

Ralph J. Roop, assistant foreman of the Winding Department, is the proud daddy of a baby girl, Alice Gean Roop, born on September 3rd.

Firemen Hold Annual Banquet

The local firemen entertained at a 6:00 chicken supper on September 16th. After the banquet an entertainment was presented in the club room. Tibbie played several selections on the violin, which everyone enjoyed. All the firemen were present and the invited guests were the Messrs. E. W. Lankenau, Gage, Charles Langston, Knott, Kohls, Frank Braun, Alvin Buffenbarger, Cal Wait, William Heim, Fred Braun, Mike Kimble and Fruechte.



THE YARD TRANSFORMER REPARMENT

The above is a view of the yard between Buildings 26 and 28, and shows not only the safe piling of materials, but a neat and well-kept yard. This yard is under the supervision of Wm. Bierbaum, in charge of sandblasting and painting transformer tanks.

ALPHI PHI CLUB TO INCREASE MEMBERSHIP

Alpha Phi Club is at present making selections of new members, and within the next few days will issue invitations to same.

The Alpha Phi Club is the only organization of its kind in the plant, and, although very young, seems to be one of the most popular and has some very interested members. The club was organized in May for the young, single employees of the Fort Wayne plant of the General Electric Company. Going on the theory that "all work and no play makes Jack a dull boy," their original aim was to have a good time; perhaps later taking up other activities as side lines.

A short sketch of its undertakings from the time of its organization will convince you that in its initial purpose it has succeeded amazingly well:

First there was a peppy organization meeting in Building 16-2, in May. About 150 young people took active part in the dinner served, and later in the business meeting and dance following. In June a hilarious evening was spent at bunco with a box supper; again in June a truck ride and picnic at Muncie Cottage along the St. Joe river. July contributed a barn dance at Paylor's farm, given for the guests of the club. Rome City was the scene of the next frolic (a House Party). September 24th a large crowd participated in the obsequies of Mrs. Marshmallow and Mr. Weinerwurst. Last, but not least, and still coming, and to be the biggest affair the club has yet had, is the Hallowe'en party—a masquerade dance on October 28th. No member will wish to miss it.

The club plans to invite a larger number of new members at this time than ordinarily because they feel that a number of employees on account of vacations and other reasons did not have the opportunity to join the others when the charter was first drawn up. They will initiate their new members at a Thanksgiving banquet held in 16-2.

ELECTROGRAPHS SPARKLETS FLASHGRAMS

Steam turbine generators of 80,000 horsepower capacity are the most powerful pieces of apparatus manufactured by the General Electric Company. Ten of these monsters could furnish enough electric current to light a street as brilliant as Broadway stretching practically around the globe.

"Fare, please," and "step lively!" (spoken in Chinese, of course!) will shortly be heard in the streets of Pekin. And by the same token a considerable proportion of that city's 40,000 fleet-footed 'rickshaw men will turn controller handles and pull bell ropes. For an electric tramway system is about to be run through the Chinese capital, to replace leg muscles in transportation.

An adept at comparisons has ferreted out the interesting information that in London there are no less than sixty electric light and power companies, while Chicago has but one; but that one company generates and sells twice as much electricity as does London's sixty companies, at a price a little more than half the price in London.

VOLUNTEER FIREMEN HOLD OUTING AT ADAMS LAKE

Twenty-five of the G-E Volunteer Firemen held a week-end outing recently at Adams Lake. The men made the trip in autos, leaving the Works promptly Saturday noon. As a preliminary preparation for the good time at the lake, a truck loaded with provisions was sent forward ahead of the crowd. Chief William Wurtle and Assistant James Sivits acted as official chaperons and the party had two highly enjoyable days at the lake.

Fishing held a prominent place on the schedule of events, for it is admitted that our trained firefighters are also enthusiasts for the sport of angling. C. W. Rosen-cranz, rated as a professional fly-chaser, it is stated, whipped the surface of Adams Lake into a foam, with the result that he now differs radically with Harry Barnes as to the merits of the lake as good fishing grounds.

Nickerson carried off the honors in the line of hero stunts when by a keen sense of intuition he detected the development of a dark plot in which he was to be the principal actor in a midnight review. By clever foot work Nickerson escaped to the woodshed, where he spent the night and thereby saved himself the trouble of swimming out of the lake with his pajamas on.

In short, everyone present had a mighty good time at the lake, for there was plenty else doing, even if the fish were not ravenously on the strike.

THE SAFETY VALVE

Looking at your work through goggles is better than looking through the hospital window with one eye.

Crossing in front of a railroad train is like standing with one foot in the grave and trying to kick yourself with the other.

There may be many a slip twixt the cup and the lip, but there may be only one slip between home and hospital.

Safety, like virtue, is its own reward.

The path of glaring headlight leads but to the grave.

Every little scratch has a meanness of its own.

The big building in the Schenectady Works of the General Electric Company where giant steam turbines are built is 800 feet long and 340 feet wide. It contains nearly 1,000 machine tools and thirty-five overhead cranes.

Turn out two-thirds of the electric lights in your home and you would land back where electric lighting was at about a dozen years ago. And the light for the remaining one-third of your home then cost as much as is now paid for lighting the entire house.



A VIEW OF OUR FORT WAYNE WORKS

ATHLETICS

G-E A. A.

City Industrial League

The rebuilt G-E team of the City Industrial League has been playing good ball recently, winning three of the last four games played. A misunderstanding in the assignment of grounds caused one game to go by forfeit, which probably cost the league championship. Injuries to players and the loss of four regulars necessitated the building up of practically a whole new team which had to be done from a list of players turned in early in the season. The scores of the season are as follows:

G-E	7	Pennsylvania	1
G-E	5	Western Gas	6
G-E	3	Wayne Tank	1
G-E	1	Pennsylvania	3
G-E	2	Western Gas	3
G-E	1	Wayne Tank	3
G-E	3	Tokheim	0
G-E	4	Tokheim	7
G-E	3	Western Gas	2
G-E forfeit to Wayne Tank			
G-E	17	Tokheim	3
G-E	8	Pennsylvania	3
Total—G-E, 54. Opponents, 32.			

The Wayne Tank nine won the championship by winding up the season with wins over the Western Gas and Pennsylvania teams. The standing of the league at the end of the season was as follows.

Team	Won	Lost	Pct.
Wayne Tank	8	4	.666
Western Gas	7	5	.584
General Electric	6	6	.500
Pennsylvania	5	7	.417
Tokheim	4	8	.333

Y. M. C. A. Amateur League G-E Wins Title

After trailing along in the cellar position the first two rounds of the schedule the G-E nine was soon overcome by Dudlo series by winning all of its games in the third round. Bowers, winners of the first round, lost to Dudlo in the first game

of the championship series and the G-E team became the city amateur industrial champions by defeating Dudlo in a 10 to 7 battle. An early lead of four runs by the G-E nine was soon overcome by Dudlo but the G-E again went in the lead with two runs in the sixth, only to have Dudlo chase three over in the seventh. Three runs in the eighth and one in the ninth sewed up the battle for the G-E. The game was brought to an abrupt close in the ninth by an unassisted double play by Wambsganss, with runners on first and third. The box score follows:

GENERAL ELECTRIC

	AB.	R.	H.	O.	A.	E.
Wambsganss, ss.	6	1	3	4	3	0
Taylor, lf.	6	0	0	2	0	0
Daley, 2b.	4	2	2	2	2	1
Mertz, rf.	3	0	1	1	0	0
Walker, rf.	2	1	2	0	0	0
Neeb, cf.	6	2	2	3	0	0
Parker, p.	5	1	1	1	2	0
Bowers, p.	1	0	0	0	0	1
Stahl, 1b.	4	1	2	8	0	0
Wellman, 3b.	4	1	1	0	1	1
Jacobs, c.	4	1	2	6	2	0
Totals	45	10	16	27	10	3

DUDLO

	AB.	R.	H.	O.	A.	E.
Nierman, ss.	4	1	0	1	1	1
Minser, lf.	3	1	3	1	5	2
Sunday, 2b.	5	1	1	1	0	0
Stitt, rf.	3	1	2	6	1	0
Bumps, rf.	5	0	2	3	0	0
Walda, cf.	4	1	0	0	0	0
Nepper, p.	5	0	2	14	2	0
Fiedler, p.	3	1	0	1	1	0
Spice, 1b.	3	1	1	0	4	0
Schweitzer, 3b.	1	0	0	0	1	0
*Guysing	1	0	0	0	0	0
Totals	39	7	11	27	15	3

*Batted for Walda in 9th.

General Electric—	1	3	0	0	2	0	3	1	—10	16	3
Dudlo	0	0	2	2	0	0	3	0	—7	11	3

Summary: Two-base hits—Stahl, 2; Daley, Bumps, Stitt. Three-base hit—Walker. Double play—Wambsganss (unassisted). Sacrifice hit—Mertz. Stolen bases—Sunday, 2; Wambsganss, Daley, Stitt. Bases on balls—Spice, 3; Schweitzer, 1; Parker, 3; Bowers, 1. Struck out—Spice, 3; Parker, 4; Schweitzer, 2; Bowers, 1. Hit by pitched ball—By Spice, (Mertz); by Schweitzer (Stahl). Wild pitches—Spice, 3; Parker, 1. Umpire—Farnan. Time—2:20.

KEEPING FIT CONTEST

Standing of Major Departments, September 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	2.22	58.80
2. Meter Department.....	18.15	12.60	30.55
3. Fractional HP Motor.....	22.25	19.26	13.44
4. Decatur	6.81	6.66	2.20
5. Contributing Departments.....	20.12	22.95	—14.13
6. Induction Motor	4.78	5.93	—24.00
7. Building and Maintenance.....	11.25	14.08	—25.16
8. Transformer	11.25	16.30	—44.80

Notes

Daley is leading the G-E sluggers with an average of .710 for eight games, which includes ten singles and four doubles. Mertz is second with .600, followed by Parker with .550 and Walker with .510. Wambsganss, Crabill, and Neel are hitting .500 or more. All but two are hitting above .300.

E. Parker turned out to be the star pitcher for the G-E team. His brilliant work during the last round of the schedule caused him to be the selection for box duty in the championship game.

Ralph Harwood made a good first baseman for the semi-pro nine, and it was his work and interest in the team that made the club as successful as it was. McKeering at second base also helped to put pep into the team.

Had the semi-pro team acquired the services of Carl Stauffer earlier in the season the final standing might have had a different aspect. Carl had his opponents eating out of his hands at all times during his duty on the mound.

B. T. A. A.

The Blue Triangle Athletic Association is ready to begin its fall activities. Tonight is the opening of the swimming pool and next week all the classes will begin: Swimming and gymnasium on October 6th; volley ball on October 8th from six to seven o'clock; basketball on October 9th beginning at six o'clock.

It is true that the Elex Club gives the girls who take part in its affairs plenty of recreation, and education too, but it does not offer anything in the way of athletics and exercise except the gym class on Wednesday night. So if you want basketball and other games the best thing for you to do is to enter the B.T.A.A. and take up the sport you like. There are swimming, gymnasium, basketball, volley ball, bowling, hiking, horseshoe and in the summer, tennis, baseball, and some more hiking.

Speaking of hiking, we have something very delightful to tell you. B.T.A.A. is planning to have a regular hike on the first Saturday of every month, right through the winter, starting November 1st. That will be sport indeed. It will be fun to take a brisk hike out in the country

somewhere when the weather is snappy and the scenery at its best. You will find that such beneficial exercise will bring you red cheeks and increased vitality. Come and join with us, everybody.

Here are the final results in the tennis singles tournament:

High School Division—52 Entries

Maxine Schmieder defeated Hildegard Hormel.

Industrial and Commercial Division—32 Entries

Flora Gerberding defeated Miss Jones.

Finals

Maxine Schmieder defeated Flora Gerberding and was declared winner of the tournament.

A doubles tournament is in progress now.

ELECTRICISMS—NEWS
SPARKS—FLASHGRAMS

Lansing, Mich., described as the first city to plan for a city-wide street lighting system in which the standards will be architecturally a unit, harmonizing also with their surroundings, is now putting in the second section of the installation, made up of nearly 600 G-E Novalux lighting units.

Convinced that a new day in power sources had arrived, the Seneca Indian School at Wyandotte, Oklahoma, has taken out all its gasoline-driven apparatus, both in the school and the shops, and has substituted electric motors throughout.

Gandy Bridge, at Tampa, Fla., is competing with the Western Gateway Bridge at Schenectady, N. Y., for the honor of being the best-lighted bridge in the world. The lighting will be indirect, with no shadows. Illuminating engineers of the General Electric Company have planned a high intensity system for the Schenectady bridge.

According to the government census report, the telephone bell rang twenty-five billion times in the United States during 1922. The number of messages for that year is recorded at twenty-four and three-quarter billion, an increase over 1917 of 13.2 per cent.

An international lighting mission is making a tour of a number of American cities to study electric lighting systems, both indoors and out. The first week or more was spent at the Edison Lamp Works of the General Electric Company, and the mission is now visiting several other cities. A number of foreign electrical concerns are represented in the group.

Electro-magnets, which lift tons of iron, or remove tiny metal splinters from the eyes of foundry workers, have now been applied to the cleaning of clover seed, and this will mean, it is expected, cleaner fields of clover everywhere.

A review of electrical progress during 1923, issued by the General Electric Company, shows that the company made carrier current installations during the year on seventy transmission lines, aggregating over 2,000 miles in length. Carrier current is a near kin to radio, and almost as remarkable as the latter.

The power that ran the presses of ninety per cent of country newspapers, ten years ago, was the gasoline engine. Today seventy-five per cent of those newspaper presses are run by electric motors.

A survey in eight large cities, made in 1922 and now just published, showed that of all electrical equipment used in homes, eighty-three per cent was made up of incandescent lamps. Second was the electric iron, thirteen per cent, and third electric washing machines, one per cent.

The Carbondale, (Kan.) Record, comments thus on a move to put in electric lights for the town: "Before long Carbondale will be seen a few miles away. Then tourists will not be knocking at our doors and asking, 'What town is this, and where is the town?' as has been the case a number of times along this country road."

Fifteen hundred General Electric motors are used to operate the Panama canal, opening and closing the locks and pulling the ships through. They help in the reduction of that long trip from New York to 'Frisco from 13,000 miles in pre-canal days to 5,000 today.



Better than aching backs



One of the most useful services performed by General Electric Company is the manufacture of little motors to operate the appliances that take the drudgery out of housework and farm work.

The new G-E Farm Book, giving interesting facts on the subject of farm electrification, will be sent on request. Write Section C, General Electric Company, Schenectady, N. Y., Chicago, Ill., or San Francisco, Cal.

The first labor-saver that the woman of the family wants when the farm home is electrified is a washing machine; it banishes "blue Monday" by substituting electric power for her back-power.

Then comes the electric iron—and after that the man of the family can decide where he needs electric power to take the load off his shoulders.

Electric light and power on the farm is an investment in better and happier living.

GENERAL ELECTRIC

955 B-10

One of a Series of G-E Advertisements Now Appearing
in General Magazines

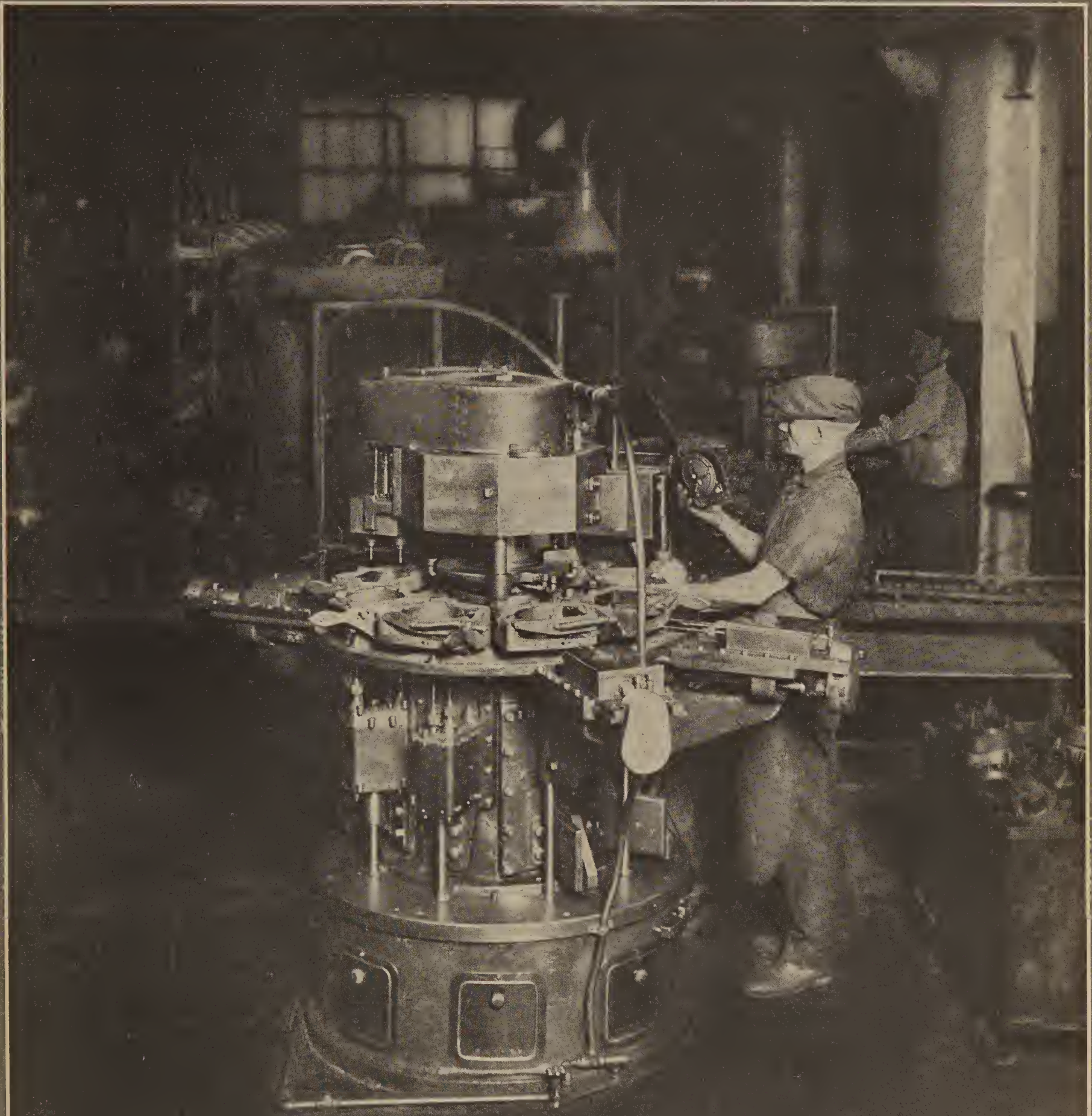
FORT WAYNE WORKS NEWS

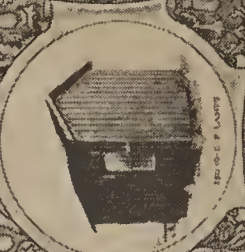
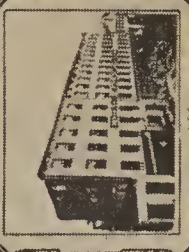
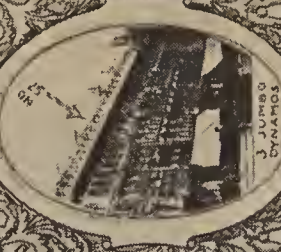
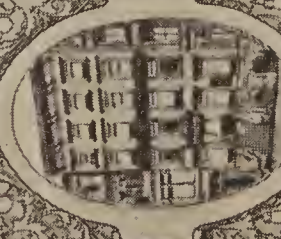


Vol. 8

November, 1924

No. 11





EDISON PIONEERS

1868

ORGANIZED

BY THIS DIPLOMA CERTIFIES
THAT

Edward A. Barnes

IS AN Associate Member OF THE
EDISON PIONEERS



AN ASSOCIATION FORMED TO BRING TOGETHER IN FRIENDLY INTERCOURSE THE MEN WHO HAVE BEEN ASSOCIATED WITH MR. THOMAS ALVA EDISON AND HIS INTERESTS IN THE UNITED STATES OF AMERICA OR ABROAD, WHO DESIRE TO PAY TRIBUTE TO HIS TRANSCENDENT GENIUS, TO BEAR TESTIMONY TO HIS ACHIEVEMENTS, TO ACKNOWLEDGE THE AFFECTION AND ESTEEM IN WHICH THEY HOLD HIM, AND AS FAR AS LIES WITHIN THEIR POWER TO DO GOOD DEEDS IN HIS NAME.

WITNESS OUR HAND AND SEAL AT NEW YORK THIS FOURTEENTH
DAY OF OCTOBER ONE THOUSAND NINE HUNDRED AND TWENTY FOUR



Charles C. Edgar
J. A. Macdonald

J. A. Mordant.

FORT WAYNE WORKS NEWS

Vol. 8

NOVEMBER, 1924

No. 11

Memorial Flag Pole to be Dedicated On November 11, Armistice Day

C. M. Niezer and W. S. Goll to Speak

WORKS TO BE CLOSED AT 3:20 P. M. FOR THE CEREMONY

AT three-twenty p. m. on Tuesday, November 11th, this Works will close to dedicate the beautiful Memorial Flag Pole, which will perpetuate the names of the men who left our Works to serve their country in the World War.

Seven hundred and forty-eight men will be honored in this event. The names of six of them, however, will be marked with gold stars.

Cleo M. Woods, who was employed in the Transformer Department, Building 26-5, was the first of our boys to give his life. He died while in training at Camp Green, Charlotte, S. C., on January 7, 1918.

Walter L. Hibbins, a graduate of our Apprentice School and a tool maker in Building 26-5 at the time he enlisted, was the next from our Works to lose his life. He died while stationed at Camp Hancock, Augusta, Ga., on February 15, 1918.

Roy Maxson, who was a spray operator in our Finishing Department at the time he left for the service, gave his all on the firing line in France. He was killed in action at the battle of the Argonne, September 26, 1918.

William R. Hilgeman was stationed at the Great Lakes Naval Training Station, Chicago, Ill., at the time of his death, September 29, 1918. Mr. Hilgeman, it will be remembered, was a machinist in the Detail Department up to the time he left to enter service.

Harold T. Adams was a machinist in the Tool Room, Building 26-5, when he left to enter the service. While stationed at Fortress Monroe, Va., Mr. Adams died October 5, 1918.

Daniel B. Slentz, formerly a tester in the Transformer Department, Building 26-5, was the last of our boys to be lost. He died October 9, 1918, of wounds received in action on the western front in France.

Lucky it is that more of our men were not numbered in the lists that failed to return. Some were wounded and others physically less strong as a result of the conditions under which they served. All of these seven hundred and forty-eight men, whose names the Memorial Tablets will bear, were ready to give all that the service might demand. It is a fitting

thing, therefore, that all our Works people assemble on the grounds at the memorial on Armistice Day and do honor to these men.

PROGRAM

I

Closing of Works at 3:20 P. M. and Assembly at Site of Memorial, Broadway Entrance to Plant.

II

Music G-E Band

III

Invocation..... Rev. A. J. Folsom

IV

Address: "Fort Wayne's Contribution During World War"..... Chas. M. Niezer

V

Address: "Fort Wayne Works' Contribution During World War"..... Walter S. Goll

VI

Unveiling of Memorial..... Mr. Goll

VII

Acceptance of Memorial..... Brigadier General Gignilliat, Commandant Culver Military Academy

VIII

Flag Raising

IX

Salute to the Flag

X

Star Spangled Banner..... Audience and Band

Ingenious Machines Built In Special Machine Department

Featured on Cover of This Issue

On the Watthour meter base castings a number of machine operations must be performed. Formerly we used a number of machines to do these milling, drilling and tapping operations. Now all these operations are done by two multiple spindle, automatic meter base machines like the one shown on the cover of this issue.

In this machine we have an example of ingenious mechanical design which may be largely credited to Assistant Manufacturing Superintendent August Kayser, and men in the Drafting and Planning Depart-

NOTICE

The Company's offer to exchange Employees' 7 per cent Investment Bonds for an equal amount of G-E Employees' Securities Corporation Bonds which yield 8 percent will expire on November 30, 1924.

ment of Building 16-3. However that which we would point out especially about this machine is that it is an example of fine mechanical work done in our Special Machine Department by our machinists and tool makers, most of them graduates of our G-E Apprentice School.

Work such as this must prove that the apprentice courses here in our plant offer unusual opportunity to the mechanically inclined young men of our Company and community who desire special training along mechanical and engineering lines.

E. A. Barnes Elected Associate Member of Edison Pioneers

An unusual honor has just been conferred on General Superintendent E. A. Barnes in his election as an Associate Member of the Edison Pioneers. As the name indicates this is a society whose members were associated with Thomas A. Edison in the early days. Those known as members of this society were associated with Mr. Edison prior to 1886, while those who from 1886 to the year 1899, inclusive, were associated with Edison, are known as associate members. Mr. Barnes qualified as an associate member by his work for the Edison interests in the year 1886. At this time he did considerable work calibrating instruments, and in developing and installing lamp indicators and other accessories in Edison power plants in New York City. Naturally his membership in the Edison Pioneers is prized very highly by Mr. Barnes and he is quite proud of the handsome certificate of membership, cut of which is shown on the opposite page.

In speaking of the early work of Edison, Mr. Barnes recalls that as a youth he saw the installation of Edison machines at the Electrical Exposition at the Chrystal Palace, London, in the year 1882. He also recalls that Mr. Edison and a number of friends dined at his uncle's house in London, where he was at the time making his home. In the lists of members of the Edison Pioneers Mr. Barnes finds the names of several men who were present at these dinner parties in London.

Switchboards for Central Section of Country to be Built Here

Special Facilities for the Building of the Switchboards Are Provided in Building No. 19

T. T. KING HAS CHARGE OF WORK

THE good news recently came to hand that the Fort Wayne Works was selected to build switchboards for the G-E customers located in the central section of the United States. According to the plan now in effect the Philadelphia Works will build the boards for the eastern section of the country; the Oakland, California, plant will serve the section west of the Rocky Mountains, while Fort Wayne will be assigned all switchboard work for the large section of the country lying between. There are certain classes of boards, those for very high voltage and those for exceptionally high currents, that will not be built in Fort Wayne; however, the ordinary run of switchboard jobs, such as will be built here at our plant, is a very handsome assignment for the Fort Wayne Works.

In anticipation of the increased switchboard work the switchboard section in Building 19 has been enlarged to occupy ten thousand square feet of floor space and has been fitted out so that it is an admirable place for the work in hand. Additional lighting has been provided, making the whole assembly floor at all times as light as day. The presses for drilling the slate have been inclosed in a well lighted room; thus the dust, inadvertently rising from the operation of drilling, cannot settle on boards on the assembly floor. Special exhaust fans have been installed in the slate drilling room to carry the dust away from the drills and this will safeguard the health of the workmen working on these drills. Switches, instruments, rheostats and other supplies for panels are neatly and orderly arranged in a steel shelving equipped stock room, located adjacent to the assembly floor. Great quantities of standard parts have been placed in stock so that incoming orders for panels can be filled with the utmost dispatch.

The assembly floor, proper, is newly laid out, careful thought having been given toward quickly erecting, finishing and removing work from the floor. The present facilities in the factory arrangements are such as to handle a production of forty switchboard panels per week.

As in the past the switchboard assembly work will be in charge of Edward Steinau, a foreman of years of experience in such work here at Fort Wayne. Mr. Steinau has under his direction a number of experienced men who will form the backbone of the factory organization that will actually build the boards.

The engineering, drafting, production and inspection work has been centralized in new office quarters on the fourth floor of Building 19. Terry King, our well-known engineer, who has had long experi-

ence in apparatus and switchboard engineering work, will have general supervision of all the switchboard work to be done here. James Richardson will make the cost estimates on proposition work; Ray Woodhull will issue the engineering instructions on the requisitions; E. O. Nicholson, assisted by Victor Blomenberg and Mrs. Georgia Fowler, will take care of the designing and necessary drafting, while J. B. Spencer, as inspector, will insure that the completed jobs agree in all details with the engineering specifications before the boards are shipped from the plant. H. C. Horn, experienced in switchboard production work, will order the materials and follow the production of all switchboard jobs built in Fort Wayne.

With the general plan now in effect and the amplified organization and factory facilities now provided, we may expect to see quite an increase in the output of the switchboard section of our plant.

Seeking to modernize its streets as to appearance by day and illumination by night, Los Angeles has just placed an order with the General Electric Company for more than 4,300 ornamental Novalux street lighting units. These lights will cover the principal thoroughfares in the heart of the city and will extend into the suburbs.

Alpha Phi Plan Big Membership Drive

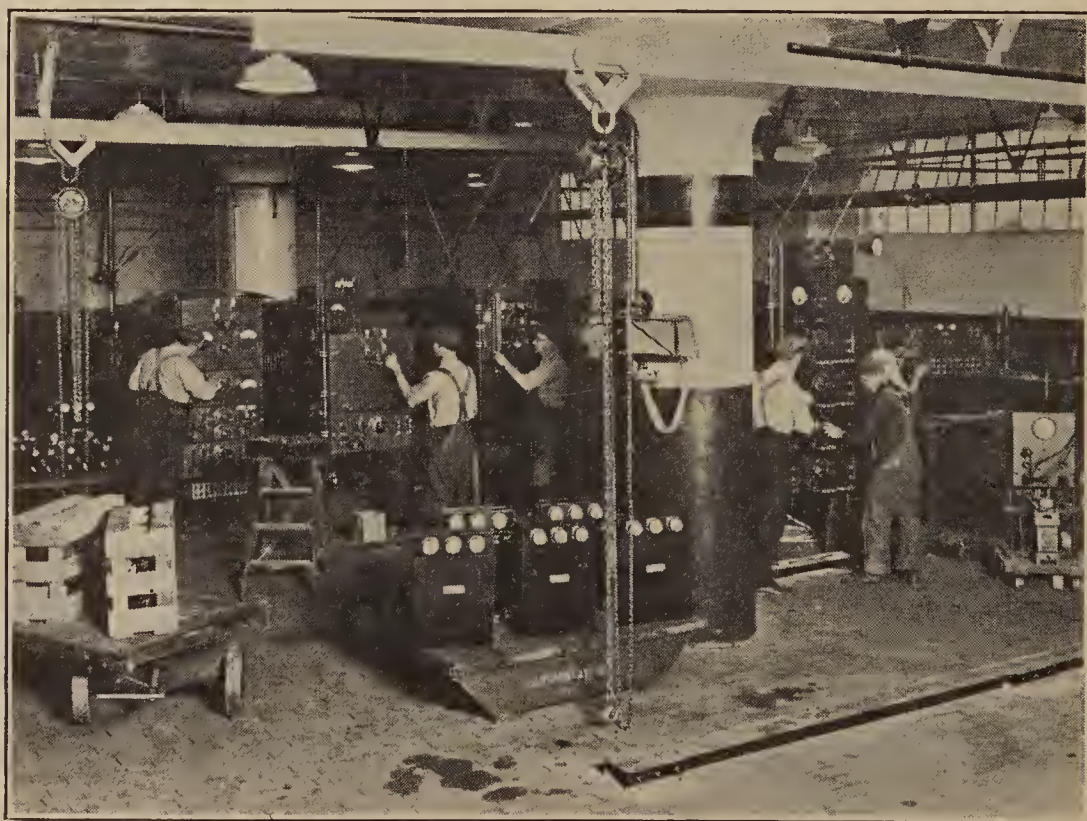
To Be Followed by Banquet and Dance

Under the supervision of Miss Kinna, who has been appointed by the executive committee of the club, the Alpha Phi membership drive is now going on in deadly earnest. Miss Kinna is assisted by Delbert Rollof and Ellsworth Geller for the west side of Broadway, and Ed Horstman and Iona Holzworth are helping her canvass the east side.

The Alpha Phi Club is an organization for young unmarried people of the Works and records show that nearly 200 additional G-E employees are eligible to membership. Within the next few weeks these eligibles will be personally interviewed and invited to join the club with the expectation of bringing the membership up to and above 200.

A big banquet in Building 16-2 is being planned as the opening event for the year, at which time election of officers will be held. The date of this banquet is Tuesday, November 25th, and besides the all important business of initiating the new members, a good program is being planned, including speaking by some prominent "Who's Who" of Fort Wayne and dancing to wind up the evening. An orchestra has been secured to furnish music during the banquet and for the dancing.

Those eligible for membership will please note that this will be the only time members will be taken in for at least six months, so when the committee comes around, don't hesitate, sign up and join in the good times with the other Alpha Phis.



A CORNER OF NEWLY ARRANGED SWITCHBOARD-ASSEMBLY FLOOR

Many Employees Take Advantage of Home Building Plan

The Home Building Plan is meeting a ready response from employees as shown by the number taking advantage of the opportunity during the last month. The following employees have placed applications with the committee and are now going ahead with their plans:

Harold E. Koehlinger.....	Building	3-3
Lisle Hodell.....	Building	3-3
Russell Johnson.....	Building	26-4
Charles F. Buchanan.....	Building	6-2
John Hinga.....	Building	3-3
A. L. Givens.....	Building	18-3
Orton H. Anderson.....	Building	26-4
Paul J. Johnson.....	Building	19-4
Wm. K. Gregg.....	Building	16-3
C. A. Curley.....	Building	10-3
E. L. Locker.....	Building	19-5

The total cost of these homes will be \$53,125, or an average of \$4,829.

The purchasing of a home marks a turning point in many families. The planning to acquire it and the carrying through of the plans are accomplishments that bring great satisfaction. By having a place for regular investment the habit of saving and thrift is soon established. The family buying a home often discover they can pay it out faster than at first expected.

The new plans make it possible for every employee who has been with the Company one year or more, and who has at least 10 percent of the total cost of the home in cash or its equivalent, to acquire a home of which he will be justly proud.



Home of Charles Buchanan is Building
HOMES FINANCED UNDER G-E HOME BUILDING PLAN

Saving is the first principle of success.
Buying a home is a fine plan of saving.
We hope many employees will avail



New Home of E. L. Locker
HOMES FINANCED UNDER G-E HOME BUILDING PLAN

themselves of the opportunities to get a home through this plan.

W. J. HOCKETT.

Editors of Works Papers Hold Conference Here

Mr. Goll Tells Editors What Works Managers May Expect From
The Works News

B. J. GRISWOLD SAYS MAKE HEADLINES REFLECT
INTEREST THE ARTICLES POSSESS

THAT our Works Papers may be improved in quality and the better serve both the Company and the employees, the editors of the various Works Papers occa-

sionally hold conferences to consider ways and means, and exchange personal views. Our Fort Wayne Works was privileged to entertain the last conference of this kind, the sessions being held on October 3rd and 4th. Both Mr. Goll and Mr. Barnes talked before this conference and found time to be present through the greater part of all three sessions.

On the first day Mr. Goll presented before the conference some of his views as to what a Works Manager may expect from the Works News. In this connection he stated that he would like to see our Works Papers develop to a high degree

1. The ability to convey to our employees accurately the attitude of the management in all its policies.
2. To promote interest in the affairs and activities of the employees and loyalty to the Company.
3. To do all this in a dignified way and at the same time to make the publication so attractive that it will be read with great interest.

Mr. Barnes, who followed Mr. Goll on the program, gave in a general talk many interesting observations out of his long experience as a G-E employee. He mentioned the changes that the years have brought about, noting improvements not only in the manufacturing methods and the manufactured products but also in the conditions as to the well-being of the people in the shops. He laid special stress on the desirability of the workers in our shop correctly understanding the policies of the Company and seconded Mr. Goll's desire that the Works News be of aid in bringing about this condition.

He also emphasized the personal interest that the management has in the individual



EDITORS' CONFERENCE GROUP

Top row: E. H. Jeffries, Bridgeport; R. D. Owen, G-E Monogram; Wade Reed, Fort Wayne staff; A. H. Richardson, Erie "Coupler"; W. R. Teele, Philadelphia. Middle row: J. J. Kline, Fort Wayne Executive Dept.; S. H. Libby, Bloomfield "Link"; B. N. Davenport, Edison; W. J. Hockett, Industrial Service, Fort Wayne; B. P. Campbell, Works News Syndicate; E. T. Wilkins, Schenectady; J. W. Crise, Head Accountant, Fort Wayne; X. J. Divens, Fort Wayne; S. W. Ashe, Pittsfield. Bottom row: J. H. Evans, Assistant to Manager, Fort Wayne Works; Mildred Schroeder, Stenographer, Fort Wayne; Dorothy Hormel, Stenographer, Fort Wayne; E. A. Barnes, General Superintendent and Assistant to Manager, Fort Wayne Works; E. Z. Steever, Manager Industrial Relations; M. P. Rice, Manager Publicity Department; W. S. Goll, Manager Fort Wayne Works; Beulah Kinna, Industrial Relations Department, Fort Wayne; George B. Grant, Lynn.

employees and expressed himself as very much pleased with the plan our Company has put into effect to encourage the employees to save and invest parts of their earnings and thus become more independent of adverse conditions which we are all so likely to encounter sooner or later in life.

M. P. Rice, manager of the Publicity Department of our Company, after a general outline of problems ahead of all Works Papers editors, took up samples of each Works Paper and offered constructive criticism on these particular copies of the Works News.

The conference held a very profitable session following the evening dinner at the Fort Wayne Country Club, the feature of the evening's program being the paper by our fellow-townsmen, B. J. Griswold. Mr. Griswold, on invitation to do so, told us frankly wherein and how he thought our Works Papers might be improved. Although he had no knowledge of what had transpired at the afternoon session of the conference he touched on a number of matters that had come under consideration during the previous session. He recommended strongly that more attention be given to the headlines that the reader might be the better guided as to what he would wish to read and also might not miss interesting articles, the nature of which Mr. Griswold felt was not properly reflected in the headlines.

At the following morning session several of the editors presented papers on subjects pertaining to the problems all Works Paper editors have in hand. There was also a friendly exchange of individual ideas which should prove helpful to all in their task of presenting to the employees of our Company ever more interesting and helpful issues of the Works News.

Giuseppe Faccioli Interested in Products Manufactured Here

Engineers and technical men of our Works and city were fortunate in the recent opportunity of meeting Giuseppe Faccioli, the noted electrical engineer of our Pittsfield Works. Mr. Faccioli's accomplishments along engineering lines can scarcely fail to be encouraging and inspiring to technical men here who were privileged to meet him personally on his visit to this Works.

In his inspection of our Decatur and Fort Wayne plants, Mr. Faccioli reflected his interest in our products and the manufacturing methods in use in these plants. Certainly he felt we have very different problems from those usual to his home Works, Pittsfield, where they build the immense transformers and experiment with the man-made lightning of two million volts. Missing perhaps the element, magnitude of size, nevertheless Mr. Faccioli was duly impressed with our quantity manufacture of small motors and transformers, which make much of the final application of the great power made available by the great transformers designed and manufactured at the Pittsfield Works.

In his talk before the Fort Wayne section of the American Institute of Electrical Engineers, Mr. Faccioli told many interesting things about the developments in high voltage work at Pittsfield. He gave his audience a working knowledge of the methods of producing and controlling two million volts and spoke at some length on the value of such experiments in testing methods of protecting electrical equipment and installations from the damage due to lighting or other high voltage discharges.

Local Man Attends Dedication of Riley Hospital

Officially Represented University of California

An unusual pleasure and honor fell to the lot of J. J. Kline of the executive department, Fort Wayne Works, when he was asked by Dr. W. W. Campbell, president of the University of California, to officially represent his Alma Mater at the dedication exercises of the James Whitcomb Riley Hospital for Children, at Indianapolis, on Tuesday, October 7th.

The academic procession formed at the Indiana College of Medicine and was made up of college presidents, deans, and official delegates, numbering about two hundred men and women representing the many universities and colleges of the country; the officers and trustees of Indiana University, and the speakers for the occasion.

Led by the excellent Indiana University Cadet Band, the procession marched across the grounds to the large tent that had been erected for the ceremonies adjacent to the hospital. The college representatives wore the academic costume of Oxford—cap, gown and hood—and the procession made an impressive sight with the sunlight upon the many colored hoods and trimmings of the gowns, denoting the distinguished degrees of the individuals wearing them. About three thousand people were assembled in the tent, filling it to capacity, and the procession marched down the center aisle to occupy places on the stage.

The exercises opened with an invocation by the Rev. L. M. Haines, followed by an address by Hugh McK. Landon, president of the Riley Memorial Association, in which he outlined the beginnings of the Riley



GROUP OF WORKS PEOPLE WHO DINED WITH MR. FACCIOLI ON HIS VISIT HERE

Back row: W. F. Frisch, L. C. Yapp, Howard Miller, J. W. Crise, E. L. Simpson. Middle row: A. B. Campbell, George LeBlance, L. D. Hodell, E. B. George, J. J. Kline, T. T. King, W. H. Fritz, H. E. Crane, J. L. Moon, J. L. Bireley, August Kayser, E. E. Miles, F. B. Owen. Front row: W. J. Hockett, Robert Steck, C. I. Hall, J. H. Evans, W. S. Goll, Giuseppe Faccioli, E. A. Wagner, C. N. Brubaker, A. F. Welch, P. C. Morganthaler, A. L. Hadley.

**JACOB EICHENBERGER**

Former Yard Man Who Was Recently Retired on Pension

Hospital, the purposes to which the buildings would be dedicated and the plans for their use. Mr. Landon then introduced L. C. Huesmann, chairman of the finance committee, who, on behalf of the citizens whose contributions made the building possible, presented the deed to the property to Dr. William Lowe Bryan, president of Indiana University. Dr. Bryan accepted the gift with these words: "On behalf of the trustees of Indiana University, representing the state of Indiana, I accept for Indiana and for humanity the James Whitcomb Riley Hospital for Children."

In his further remarks Dr. Bryan called attention to the outstanding co-operation of thousands of individuals and associations, by which over \$50,000,000 has been donated to the state universities of the country within the last decade, and commented on the part that Indiana has taken in this, having contributed about \$3,500,000. He mentioned particularly the makers of small gifts, whose very limited resources make these to be noble sacrifices. He dwelt upon the friendship of the donors and the great satisfaction that lies in the fact that this work of the Riley Memorial Association promises to make Indiana what Riley would have loved it to be—the land of healthy, happy children.

Dr. Bryan was followed by Dr. W. A. Jessup, president of Iowa University, who spoke on "Our Responsibility to Childhood," and by Dr. John H. Finley, editor of the New York Times, who paid fitting tribute to Riley and described the Riley Hospital as a monument to the poet, a tribute beyond any ever paid in literature.

The hospital is not yet finished, two more units being planned in addition to the one now completed. When the three units are completed this will be one of the outstanding institutions of its kind in the country and probably in the world.

Three Well Known Employees Placed on Retired List

Jacob Eichenberger, George Beyer and Charles Egg, three well known employees of our Works, have recently been granted pensions and relieved from active duty in the shop.

Mr. Eichenberger was retired from active service on September 20th with twenty-one years of faithful service to his credit. On August 6, 1901, Mr. Eichenberger first came to work here at our plant, beginning as a yard man under Foreman Link Johnson, who then and for years afterwards had charge of the yard force. Due to advancing years Mr. Eichenberger was finally transferred to inside work in the Salvage Department and later was given charge of the Scrap Wood Shed under Robert Gollmer, where he remained until his retirement in September. Mr. Eichenberger was born in Switzerland November 20, 1852, but has spent the greater part of his seventy-two years in this country as an industrious patriotic citizen of the U. S. A. We hope Mr. Eichenberger may enjoy for years the rest he has certainly earned.

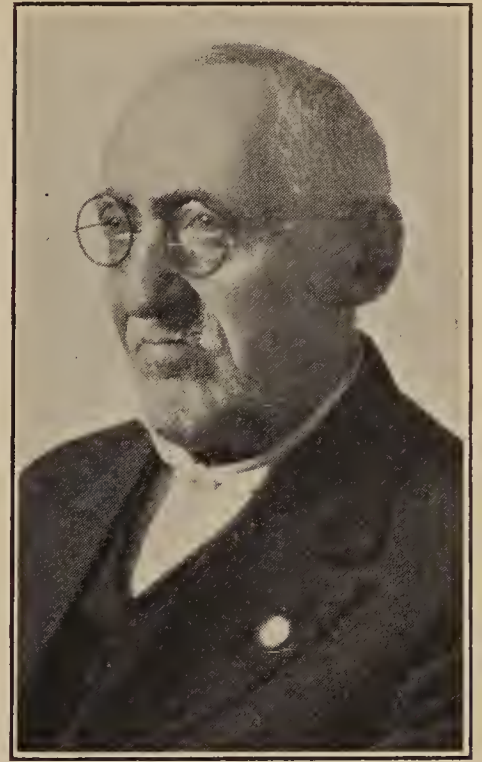
George Beyer of 906 Federal Avenue was retired from active service on pension October 10, at the age of seventy-six years. Born at Raysville, Ind., September 8, 1848, he did not become an employee of the General Electric Company until October 3, 1904, at which time he was engaged as a watchman. Later he served as a storekeeper in both the Fan Motor and Meter Departments; for a time he ran one of the elevators, and also served as an oven man in Building 4-2. In spite of his coming to the General Electric after passing the half century milestone in life, he served the Company faithfully for twenty years. We congratulate him on this record of service and hope he may long enjoy the pension which has been granted him.

Charles Egg, for twenty-nine and one-half years a moulder in our foundry, was retired on pension November 1st. Mr. Egg came to work here October 19, 1894, his thirty-seventh birthday, and remained continuously in this Company's employ. Although foundry work is very strenuous, Mr. Egg has held his own and was doing good work at the time he was retired. Four years ago Mr. Egg joined the local Quarter Century Club, and it is hoped he may enjoy such membership and his well earned pension for years yet to come.

Insulation Department Have Wiener Bake

Party is Entertained at Home of Thomas Costigan

On Thursday evening, October 9th, about twenty employees of the Mica and Insulation Department of Building 10, met immediately after work for a wiener bake at Stellhorn Bridge. A Company truck took some of the girls; the others went out in

**CHARLES EGG**

Of Our Foundry Who Was Recently Retired on Pension

private machines. At about 8:15 the party left the scene of the wiener bake for the home of Mrs. Costigan, where they finished the evening. In the guessing contest that was held Sylvia Hedrick won first prize; Mrs. Colchlasure, second, and Frederick McIntyre, third. Among those present were Alma Snyder, Loretta Girardot, Mildred Bevelheimer, Sylvia Hedrick, Marie Kramer, Margie Dailey, Dorothy Cessne, Julia McIntyre, Lucille Kohrman, Marie Blough, Thomas Costigan, William Glenn, Fred Zehendner, Vasco Colchlasure, Albert Hart and Raymond Puff. The guests were Mrs. Costigan, Mrs. Ray Puff, Mrs. Vasco Colchlasure, Frederick McIntyre and Mr. Kramer.

Fractional H.P. Motors Production Have Wiener Bake

On Wednesday evening, September 24th, about fifty members of the Fractional Horsepower Motor Production and Control Departments and their families motored to the home of N. D. Porter in Country Club Gardens to partake of a marshmallow and wiener bake. Sam Newlin misunderstood and thought the affair was to take place at the Country Club, consequently he donned his good outfit. After all had partaken of wieners and hot coffee the usual out-of-doors games were played. It was reported that there was a very successful snipe hunt, Ruth Pequignot an Pluma Rex being the principals. Al Hartman and Rich Hall indulged in a game of leap frog. Plans for this affair were ably handled by Mrs. Edith Beecher and Al Hartman. Every one had such a good time that plans are already being made for another wiener bake in the near future.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

V. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Velma Arnold.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Verena Miller.....Decatur Works

REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
LaVera Vail.....Elex Club
Carrol Blincoe.....Apprentice Association
Russell Haruff.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. E. Hall.....Quarter Century Club
K. Szink.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
J. C. Porter.....G-E Squares
Josephine Zimmerman.....Absent Employees

Vol. 8 November, 1924 No. 11

The Branch That Thought it Was a Tree

IT had every right to be proud of itself—this grafted branch. In the blooming season, its flowers were large and the creamy petals red on the edges, while the other blossoms on the tree were small and scraggly, and dirty-white.

When autumn changed the flowers to fruit, the apples on this branch were big, deep-red, with hearts as white as snow.

And the branch, seeing this, was swollen with pride.

"Why should I remain a part of this poor tree? I give more fruit than the rest of the branches combined. I will be a tree unto myself, that men may know me, and give me credit for my fruits."

The next time a strong wind blew, the branch strained and pulled and twisted, and finally tore itself from the tree. The tree bled at the wound a little time, but the gardener came along and grafted another branch in the place.

But the branch that tore itself away died very quickly.

It did not realize that the sap—the life blood that gave it health and strength to produce—came from the roots of the tree. The branch could not see that because the tree had other branches, it was able to drink in more sunshine and rain—that all branches drew life from the soil and air and gave it gladly, that the one branch could flourish and produce much fruit.

So, the grafted branch that thought it could be a tree died.

The tree lived on.

There are men who draw the very life-blood of their inspiration from the organization of which they are a part. They produce great works, and are blind to the sources of their power.

Happy is the man who can see, in the results of his efforts, more than an isolated, personal achievement—who can view the organization of which he is a part, as a whole.—By W. L. Brann in Forward.

If G-E Employees Insist on G-E Products

More G-E Dealers—More Work for Us.

—And from the dealer's standpoint: What must his reaction be if customer after customer insists that the electrical apparatus and appliances which he purchases bear the G-E monogram? Suppose he were not a G-E dealer and he found many prospective customers leaving his store without buying anything, because he did not stock G-E goods. It would not be long before the man who was losing trade in this manner would become a G-E dealer.

The more G-E dealers there are the more G-E goods are going to be pushed. The more our products are pushed the more our wiring devices and supplies, apparatus and equipment of all sort will be sold. The live-wire dealer is a big factor in our business. The more of them there are handling G-E products the more work there will be for the factories, which means steady employment and more opportunities for the advancement for which we are all striving.

G-E employees, 80,000 strong, representing a buying power with their families and friends equal to that of a city of 500,000 persons, can do much to bring more dealers to stock and distribute the goods which we manufacture. We who build electrical equipment and apparatus also use electricity. We build turbines and other equipment which later make the electricity distributed from the central stations. We use this power to light our homes and to do many other things which make life more worth the living.

We are missing an opportunity to help ourselves by helping the Company if we do not insist that our home is wired with G-E wiring devices and supplies and that all the electrical appliances which we use are either built by the Company or use G-E equipment.

No dealer will refuse to stock goods for which there is a constant demand. Insist on G-E equipment when you are buying electrical apparatus—and your dealer will see that your wants are supplied. He will purchase and distribute the goods which you are manufacturing, making more work for you and your fellow employees.

Schenectady, Oct. 14, 1924.—Orders received by the General Electric Company for the three months ending September 30th totaled \$58,389,832, as compared with \$65,483,549 for the same quarter in 1923, a decrease of 11 percent, according to a statement made public today by Gerard Swope, president.

For the first nine months of the present year orders total \$203,097,719 as compared with \$229,747,304 for the same period in 1923, a decrease of 12 per cent.

Group Life Insurance

Deaths Reported for September, 1924.

Employee	Died	Beneficiary
<i>Schenectady</i>		
Oliver P. White	Aug. 24	Wife
George W. Harris	Aug. 25	Wife
Augustus P. Paul	Sept. 5	Wife
Emily E. Daly	Aug. 24	Mother
<i>River Works</i>		
Harry Ireland	Sept. 16	Mother
<i>Pittsfield Works</i>		
Edward L. Badger	Aug. 16	Estate
John H. Dallmeyer	Sept. 13	Wife
Clarence W. Cady	Sept. 15	Wife
Joseph L. Rathbun	Sept. 2	Wife
<i>Erie Works</i>		
Perry M. Rankin	Sept. 7	Wife
Joseph Weber	Sept. 9	Wife
<i>Fort Wayne</i>		
Rosalie M. McLaughlin	Aug. 27	Mother
Abe Hoestettler	Aug. 23	Daughter
<i>Bloomfield</i>		
Tora E. Ljunggren	Aug. 26	Husband
Total—14 deaths		\$18,400

G-E Family Hallowe'en Party Well Attended

Seven Prizes Distributed for Best Costumes

From two to three thousand people attended the G-E Family Hallowe'en Party on Factory Street here at the Works on the night of October 30. The party was fostered by twelve local Works' Clubs and certainly was a big success. The band furnished a special program of dance music, the dancing being on the broad walk by the side of the car tracks. Factory Street was ingeniously decorated, seasonal refreshments were available and great numbers of the jolly crowd were cleverly costumed.

Miss Marie Holman of building 19-2 won the ladies' prize for the most clever costume—a Shelton hair dryer. Mrs. Earl North won the prize for the best comic costume, a Hotpoint curling iron. Clarence Patton won the fountain pen, men's prize for the most clever costume and George Kress of building 4-3 was presented the Eversharp pencil as a prize for the most comic costume among the men.

Bobby Meyers won the ink pencil prize for best boy's costume but when it came to selecting the winner for the girl's prize, difficulties arose. There were too many very clever costumes. Finally two little girls, Andree Thomas, daughter of C. A. Thomas, fractional h. p. motor engineering department, and Lucille Frederickson of 3925 Hoagland Avenue, were selected for prizes and baby Bertha Thimlar, of New Haven, Ind., was also awarded a prize for she was simply too cute to pass by without a prize.

The electrical exhibit of products of the plant for a source of great interest to the crowd. Apparently this booth shared equally in the honors with the various refreshment booths.

If land existed in unbroken continuity around the world, a railroad train could be run at sixty miles a minute, making the circuit 80,000 times, on the electric power generated in the United States in one year.

Budgets—The Alarm Clocks of Business

Profit and Loss Statements One Year in Advance Needed to Safeguard the Industry, the Buying Public, and Those Employed in Industry

J. W. CRISE TELLS ROTARIANS ABOUT THEM

SPEAKING recently before the local Rotary Club, J. W. Crise, head of our Works Accounting Department, had the following to say:

Budgeting is a function of management and is probably one of the best aids the manager has for controlling his business. He should interest himself in every detail of preparation and diligently follow it from month to month to insure maximum results.

Let us consider some of the steps necessary in the preparation of a budget. When shall it be prepared? It is customary to prepare budgets just prior to the beginning of a fiscal business year. If the fiscal year is the same as the calendar year, the budget should be completed the last two weeks in December. It is not good practice to prepare a budget too far in advance of the fiscal period for the reason that business changes may take place in a comparatively short space of time which would upset all calculations if not foreseen.

The budget should cover the entire fiscal year and be divided into months or weeks to agree with the bookkeeping. It should also correspond with the books of account, which should reflect in a general way the following facts:

Gross Sales—or what corresponds to
Gross Sales Less Outward Freight,
Allowances and Returns Giving Net
Sales.

If a manufacturing concern, there should be the customary accounts going to make up cost of goods sold, such as:

Raw Material
Direct Labor
Indirect Expense.

The sum of these deducted from Net Sales gives the dollars of Gross Profit, and the dollars of Gross Profit divided by the dollars of Net Sales gives the *Percent of Gross Profit*.

Particular importance is attached to this *Percent of Gross Profit*, rather than to the dollars of Gross Profit for the very good reason that for comparative purposes the percent will represent the achievement regardless of volume of business, whereas the dollars of Gross Profit would not.

Other accounts, such as Selling and Administrative Expenses, should be kept and these when deducted from dollars of Gross Profit will give the dollars of Net Profit, which should in turn be reduced to Percentages of Net Profit.

In other words, in order that budgeting may be successful, it is necessary that books of account be kept and those books should reflect all facts necessary to construct a Profit and Loss Statement. As a matter of fact, a budget should be constructed over the skeleton of the Profit and Loss Statement form, not necessarily the form found in text-books but the form used

in the particular business to which the budget applies.

On the assumption that a set of books of account is kept, and Balance Sheets and Profit and Loss Statements are made monthly or quarterly or annually, we may depend on that set of books to tell us at the end of any given period what percent of Gross or Net Profit has been achieved. The result may be satisfactory, and all that was or could be expected; on the other hand, the result may be a disappointment. At any rate, when we look at a Balance Sheet and Profit and Loss Statement at the end of any period, we know that we are looking at the result, an achievement of the past, and barring errors, there is nothing that can be done to change that result. It is water that has already gone by the mill.

If all Balance Sheets and Profit and Loss Statements were satisfactory and there were no disappointments at the end of any year, there would still be ample reason for budgeting. Industry is not conducted solely for Gross or Net Profit. There is still the element of service to the buying public, and the welfare of the individuals engaged in industry, who have a perfect right to share in the prosperity of Industry when it yields more than a fair return on the capital invested.

Thus we have three very important groups interested in budgeting—

The Industry itself,
The Buying Public, and
Those employed in industry, who
make up in part at least the Buying
Public.

To follow step by step the preparation of a budget for even a small manufacturing concern would prove uninteresting and probably tiresome. Let us consider instead some of the high spots.

All Profit and Loss Statements start with Gross Sales; therefore a budget should show as its first item the anticipated Gross Sales for the period under consideration. The manager may very properly ask himself how he may be expected to know what his gross sales will be the coming year. He doesn't know, nor is he expected to know, but he is expected to do a good job of forecasting, which he can do without guessing. He probably has a record of past performances. He should know how much business to expect from each district per salesman; he should know the strength of competition and the many other things that go with the selling end of a business. With such information as the manager usually has of past performance and his first hand knowledge of plans in contemplation, he should have no difficulty in setting up a figure for Gross Sales which will be found to check closely with results. As a matter of fact, if a

goal is once set which will call for the best efforts of all concerned, the final result will be nearer that goal and more satisfactory to the management than if no objective had been set. On the theory of setting up a target to shoot at, it should be observed that too much effort directed toward sales might break down the organization producing the material to be sold, so this target or estimate must necessarily be kept within the possibility of achievement.

Having set up a budget for Gross Sales, it will be comparatively easy to budget Outward Freight, Allowances and Returns, for these factors usually bear a fairly fixed ratio to Gross Sales, and when these are deducted, the result is Net Sales.

The elements making up the *Cost of Goods Sold* are:

Material,
Labor, and
Manufacturing Expense.

The material and labor items may be readily budgeted as they also bear a fairly fixed relation to sales, but these should be increased or decreased to correct any fluctuation in the labor or material market.

Expense, however, is not so easy or at least should not be treated in that manner. We are reminded of the old pun, "Why worry about expenses? We have lots of them," when we come to an analysis of expense for budget purposes. If former Profit and Loss Statements reveal the fact that manufacturing expenses have had quite a lot to do with the low percentage of gross profit, now is the time to resolve that for the coming year at least, "they shall not pass."

There are some items of expense such as Depreciation, Insurance, and Taxes that must be met and which are entirely beyond the control of management; but there are many other items concerning which the management asks itself, "Why was the expenditure made?" All such items should be carefully scrutinized and eliminated if not essential to the operation of the business. Other items while necessary to the business may be higher than seems necessary; these should be carefully looked into and curtailed in the budget to what might be considered a reasonable amount.

The sum of the amounts budgeted for Material, Labor, and Manufacturing Expense makes up the amount budgeted for Cost of Goods Sold, and this amount deducted from Net Sales is the Budgeted amount of Gross Profit in dollars. This amount divided by the amount of Net Sales is the budgeted Percent of Gross Profit.

This same process followed for Selling and Administrative Expenses will result in the budgeted amount of Net Profit and the budgeted Percent of Net Profit.

The completed budget will have all the characteristics of a Profit and Loss Statement prepared one year in advance. It is the expected result, possible of achievement if carefully planned and carried out.

A budget prepared along these lines will be fairly flexible with fluctuations in business. By budgeting to a percentage of Gross and Net Profit, increases and decreases in business are automatically compensated for. If business is good and there is an increase in Net Sales, there

must also be an increase in Cost of Goods Sold, because more Material, Labor, and Expense will be used to produce the goods. Material and Labor will increase in direct proportion to sales, but Expenses may be held below a direct proportion of increase, since supervisory help, for instance, may not be affected by volume. Shipments may be larger but not necessarily more numerous. Collections are apt to be easier rather than harder in periods of good business, and so on through the many items that go to make up Manufacturing, Selling, and Administrative Expenses. So it does not necessarily follow that *Expenses* should increase, in the same proportion with Material and Labor during periods of good business.

When business is on the decline, sales will be less, Labor and Material consumption will decrease, but not necessarily Expense, and at such a time the budget is of greatest value, for it warns the manager that his Gross and Net Profits are in jeopardy and points out where he should make reductions and in amounts which will insure the expected return at the end of the year.

There are extreme low limits to which business may fall, where it would be impossible to maintain a fixed relation between Net Sales and Cost of Goods Sold, the reason being, those Fixed Expenses such as Depreciation, Insurance and Taxes, and the possible expense of holding a nucleus of an organization during a period of depression. There is, on the other hand, no reason why such a budget should not hold good during a period of very good business, and under such favorable conditions, the relation of Cost of Goods Sold to Sales might be somewhat improved.

A Budget has been compared to a compass, which enables the business mariner to steer a straight course to a given percentage of Net Profit. There is another homely illustration which may help to emphasize the use as well as the need of budgets in Industry.

The alarm clock is the bane of many a manager's existence. He carefully sets it to ring at a given time, and while the clock may function perfectly, he may either shut it off and turn over and go to sleep again, or he may get up, drag himself to his job, ill fit for the day's work because of insufficient sleep. This is typical of what happens at the end of the year when he looks at his Balance Sheet and Profit and Loss Statement. The result is unexpected, often disappointing and wholly unsatisfactory. He may either forget it, if his stock holders will let him, or he may continue through another year.

But suppose we set the alarm clock to ring at 10:00 p. m. and make that the time to retire—there will be no question about awaking at the proper time in the morning, nor will there be any question about our ability to attack any problems that may confront us during the day. So it is with a dependable budget. It is the business alarm clock that announces to management when it is time to do certain things in order to achieve satisfactory results.

Unusual Apparatus Produced Here

Low Voltage High Current Capacity Generators and Compact Switch- board of Simplified Operation Produced.

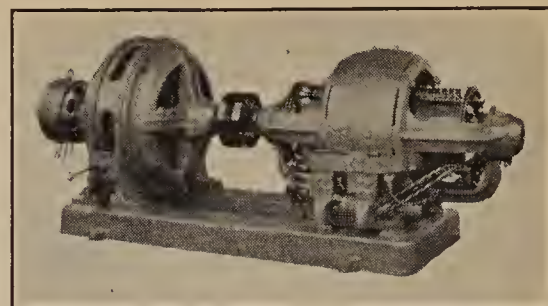
The Apparatus Department, Building 17-1 and 17-2, have just completed six motor-generators which are very special in construction and therefore of special interest to the people of our Fort Wayne Works.

The first two sets were for the Boston Edison Company and are to be used for charging the end-cells batteries in one of the large stand-by battery stations in the metropolitan district. The generators of these sets are rated at 2,000 amperes at 25 volts and have two commutators, one at each end of the armature joined in multiple at the terminal board. The motors are 230 volts direct current and are operated off the outside lines of the Edison 3-wire system.

The second pair of sets was for the Buick Auto Company, Detroit, and are to be used for electric welding about their shops. The generators of these sets are rated at 1,450 amperes at 35 volts and are of the same general construction as the two sets for Boston. The motors of these sets were manufactured in Building 19-1 and are of standard construction rated KT 220 volts, 60 cycles, 75 HP.

The third pair of sets was for the Crane Company of Chicago, Illinois, and are to be used for charging industrial trucks by the modified constant potential method. The generators of these sets are rated at 1,500 amperes and 33.8 volts and are also of the same general construction as the sets for Detroit and Boston. The motors of these sets are one of the latest developments in the line of synchronous motors Type ATI Form PC. Exciters are mounted on the collector bearing bracket and their windings are permanently connected to the synchronous motor field. These motors were also made in Building 19-1.

The controlling switchboards for these



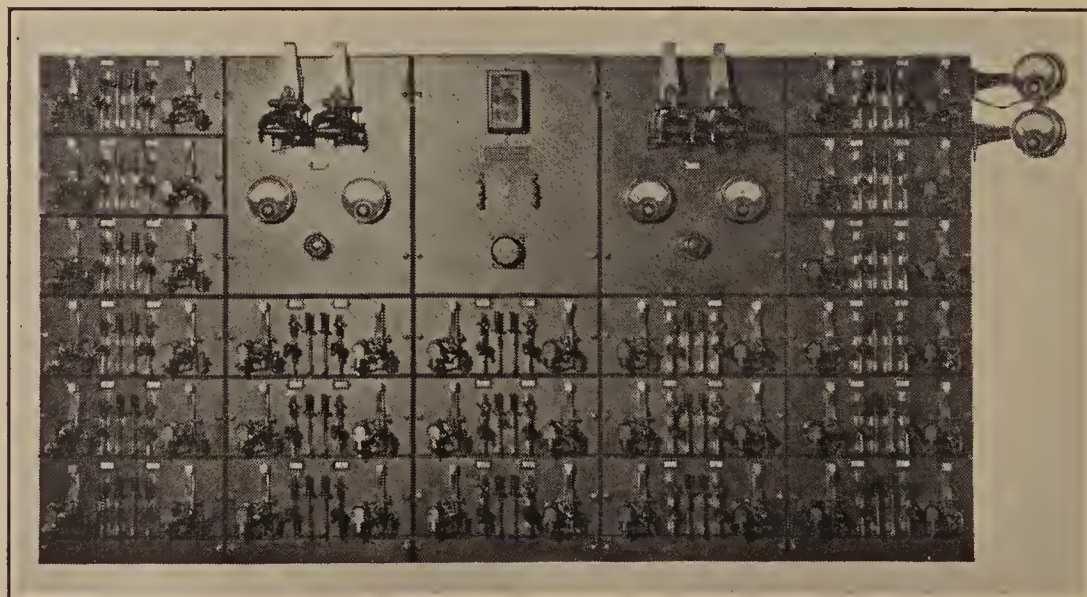
ONE OF THE HIGH AMPERAGE LOW
VOLTAGE SETS

sets are also a product of the Fort Wayne Works and were built in the Switchboard Department, Building 19-B.

The control switchboard for the Crane Company motor-generators includes battery charging control for forty-two storage battery industrial trucks. This board is particularly interesting because it had to be designed to meet rather exacting local conditions. The space available was only about half that required for a switchboard of the usual design. The customer had available only unskilled attendants so that it was absolutely necessary to safeguard against damage to the batteries or charging generators. The modified constant potential system of charging was adopted, and reverse current protection was provided by a sensitive voltage relay so arranged that all batteries will be automatically disconnected should the charging voltage fall below a safe value.

The panels are built up as individual units in welded steel frames so that they not only require a minimum of space but can be easily put in place and wired to the circuits.

Crossing the Willamette River at Independence, Ore., is an electrically operated ferry, equipped with a trolley pole, which takes electric power from an overhead wire, just like an electric street car. The time of a round trip has been reduced from twenty minutes to two minutes, and the operating cost from \$150 to \$85 a month by the change from gasoline drive.



THE SWITCHBOARD FOR CONTROL OF MOTOR-GENERATOR AND FORTY-TWO TRUCK CHARGING CIRCUITS

New Safety Committee From Foremen's Club

M. B. A. Committee Will Function for Remainder of Year

In order to reduce, if possible, the number of lost time accidents, the safety committees have been strengthened by the addition of a Foremen's Committee representing the various floors and departments of the Works.

It will be the duty of the members of this committee to look after all matters pertaining to safety and sanitation in their own departments or on their own floors if they have jurisdiction over more than their own department. They should see that machines are properly guarded; that men wear goggles when grinding or chipping; that materials are safely piled; that floors are not overloaded, and in fact they should remedy or report anything of an unsafe nature.

The personnel of the General Works Committee remains unchanged. The committee will continue to handle all safety problems of a general nature. They will outline safety policies pertaining to fire hazards, traffic regulations, sanitary conditions, working conditions, safeguarding of machinery, safe and unsafe practises, etc. They will be responsible for the establishment of approved safety appliances and codes.

The M. B. A. Safety Committee has done good work and will continue to function during the remainder of the year.



GENERAL SAFETY COMMITTEE

Top: Bert Gage, Decatur Works Representative; W. J. Hockett, Chairman; W. F. Melching, Secretary; F. L. Schafenacker. W. H. Miller, F. G. Duryee, R. F. Smith, Safety Engineer, Wm. G. Wurtle, Fire Chief; A. Kayser, F. J. Schwartzkopf.

J. W. Crise Addresses Foremen's Meeting

B. J. Griswold to Talk at Thanksgiving Banquet.

The Foremen's Association had the privilege of listening to a most interesting talk from J. W. Crise, Works accountant, at their last regular meeting, October 22nd. The subject of the address given was "Ac-

counting" and Mr. Crise made the subject a very interesting one to the foremen. The speaker explained the various steps taken in organizing a business; its change into a partnership and eventually the forming of a corporation. Many of the obscure terms and conditions of a large business were made clear and many of the requirements of an organization such as exists at this plant were explained. One phase in particular was that of assessing indirect



FOREMEN'S SAFETY COMMITTEE

Top row: H. Scherer, Bldg. 17-3; F. Fleming, Bldg. 10-2 and 10-3; N. Prince, Bldg. 8-2 and 2-2; J. Schoedel, Bldg. 12-1; R. O. Orff, Bldg. 6-1; D. Daniels, Bldg. 26-4; H. Habig, Bldg. 27; J. H. Byeres, Bldg. 6-2; C. A. Hartman, Bldg. 4-4; A. L. Foelinger, Bldg. 4-5; W. Wolf, Bldg. 6-2. Middle row: C. Johnson, Bldg. 19-3; F. Hamrick, Bldg. 4-2; O. L. Weitzman, Bldg. 26-5; O. Nahrwald, Bldg. 4-1; E. C. Olds, Bldg. 9; L. D. Meader, Bldg. 19-2; F. Banks, Bldg. 8-1; R. J. Hoffman, Bldg. 17-1; J. Beekner, Bldg. 20-2; C. Brenner, Bldg. 17-1; F. M. Thompson, Bldg. 4-3. First row: F. Hoffman, Bldg. 26-5; J. Blakely, Bldg. 4-B; I. W. Butler, Bldg. 17-2; H. Anderson, Bldg. 19-1; R. Gollmer, Bldg. 10-1; G. Thiele, Bldg. 12-2; J. Smith, Bldg. 19-4; G. Rogge, Bldg. 2-3; R. Duryea, Bldg. 26-2 and 26-3; L. Klingman, Bldg. 19-5; E. J. Schafenacker (absent), Bldg. 26-5.

expense departmentally and the urgent necessity of assigning the proper shop orders to the different work performed and for the material used.

Mr. Crise's talk preceded the regular business meeting of the association at which nominations were made for candidates for the various offices for the coming year. The interest was keen in the selection of candidates and the campaign preceding the election November 26, promises to be a lively one.

The entertainment committee had a splendid dinner arranged for the members immediately after work and again Jim Sivits was there with his usual regular foremen's feeds, followed by the good cigars the club carries in stock.

The entertainment committee of the Foremen's Association has a most delightful entertainment in store for the members at the November meeting. This will be a Thanksgiving banquet and B. J. Griswold, one of Fort Wayne's most interesting speakers, will be present to address the foremen on a subject dealing with civic problems of Fort Wayne. The entertainment committee are to be congratulated on securing Mr. Griswold for this event.

L. D. Hodell Addresses Apprentice Alumni

Five New Members Initiated—A Number of Events Planned for Future.

The regular quarterly business meeting was held Tuesday evening, October 21st, in Building 16-2. L. D. Hodell, of the Small Motor Manufacturing Standards Department, gave a short but interesting talk on "Manufacturing Standards," telling how the present methods came into use and also how much better the new methods are than the old. Other short talks were given by O. L. Weitzman, Paul Burt, of the Wayne Oil Tank and Pump Company, and Norbert Ehinger, who, we are pleased to say, was again with us after an absence of several years due to ill health.

Five new members, H. Sullivan, R. Bracht, C. Wyneken, J. Jauch and J. Franke, were initiated into the club at this meeting.

A nominating committee was selected at this meeting to nominate officers for the coming year. Those on this committee are Norbert Ehinger, Herman Braun, Henry Klingenberg and E. G. Stock.

The entertainment committee announced a bowling tournament for November at St. Paul's Hall; a stag party for December, and called attention to the regular meeting for January, 1925.

Refreshments, cigars and cards concluded the evening's program.

Highway lighting is evidently commanding attention in New Zealand. The General Electric Company has received word that about 180 of its Novalux highway lighting units are to be installed on the principal highway of that country, and that eventually about 1,800 units will be located there.

Twenty Suggestions Totaling \$142 Made During October

THE Committee on Suggestions announces the following awards made on suggestions up to October 21, 1924:

John Daily an award of \$15 on a suggestion to replace broken wooden handles with cast aluminum handles on monkey wrenches. When using Mr. Daily's idea an aluminum handle is cast on the wrench while the wrench is held in a mould and this makes a permanent job of good quality. Mr. Daily is an employee in the Tool Coop, Building 19-1.

G. J. Oswald an award of \$10 on a suggestion regarding a wrench for tightening lifting lugs on type A transformers. These lifting lugs used to be tightened with a screw driver or monkey wrench and Mr. Oswald designed a wrench for tightening them without damaging them. Mr. Oswald is an employee of the Transformer Apparatus Department, Building 26-2.

Frank Rathert an award of \$10 on a suggestion regarding a method of removing rust proof paint from the apparatus parts in Building 17-2. Mr. Rathert pointed out that a certain varnish remover would remove this paint readily and would save considerable time in the operation. Mr. Rathert is an employee in the Apparatus Inspection Department, Building 17-2.

C. F. Hambrock an award of \$10 on a suggestion regarding a method of ordering parts for F-9 meter registers. Under this method the parts for these registers are grouped and are ordered in groups and this reduces the number of orders that must be placed for the parts. Mr. Hambrock is an employee in the Meter Stock Department, Building 19-5.

C. F. Hambrock an award of \$5 on a suggestion regarding shortening the leads on the P3 and PS3 demand meters. Leads on these particular meters were made longer than was necessary and therefore Mr. Hambrock suggested a change in their length. This is Mr. Hambrock's second suggestion of the month.

Walter F. Horman an award of \$5 on a suggestion regarding guard for lathe No. 4764 located in Building 17-2. The control mechanism of this lathe was exposed so that if struck by a trucker the lathe would be started up. This was dangerous and Mr. Horman, who is an employee in the Apparatus Machine Department, Building 17-2, pointed out the hazard.

C. L. Robinette an award of \$5 on a suggestion regarding a guard for the drive belt of the elevator in Building 2. This belt did not have a guard under it and Mr. Robinette, who is an employee in the Electrical Maintenance Department, Building 20, noticed this and pointed out the hazard.

Ed H. Dunlap an award of \$5 on a suggestion to install a measuring scale in the Inspection Coop in Building 4-3. This scale will aid in giving correct weights for the inspection work and will thus save time.

Mr. Dunlap is an employee in the Inspection Department, Building 4-3.

Miss Flora McClure an award of \$5 on a suggestion to install high potential test leads on the repair benches in Building 4-5. These test outfits will aid in blowing out the shorts on repair work. Miss McClure is an employee in the Fractional Horsepower Winding Department, Building 4-5.

J. E. Laisure an award of \$5 on a suggestion regarding guard for the soldering pot located in the Apparatus Winding Department, Building 2-2. Mr. Laisure, who is an employee in the above department, noticed that this soldering pot needed a guard to keep the hot solder from flying in the face of the workmen.

E. J. Stroud an award of \$5 on a suggestion regarding changing location of the door in the Dispensary, Building 26. Mr. Stroud is an employee in the Control Service Department, Building 18-B.

L. Schellhammer an award of \$5 on a suggestion regarding improvement to the roller type cradle used for holding transformer tanks in the Tank Shop, Building 27. Mr. Schellhammer, who is an employee in the above department, suggested a change in the lever for the stop pin on these cradles which made the apparatus more safe.

C. Schultz an award of \$5 on a suggestion regarding guard rail for meter assembly conveyor in Building 19-5. Mr. Schultz, who is an employee in the Meter Inspection Department, Building 19-5, noticed that certain sections of this conveyor did not have a guard rail and as a result of this, parts fell off the conveyor and were damaged.

A. S. Jaffe an award of \$5 on a suggestion regarding design of wire spool racks for the hand winding benches in Building 4-5. Mr. Jaffe, who is an employee in the Fractional Horsepower Motor Engineering Department, noticed that the old style racks were unsafe and suggested a new design which would eliminate the hazard of the old ones.

Otto K. Huebner and Clarence D. Crist an award of \$5 each regarding a suggestion to countersink oven contacts on elapsed time switch manufactured in Building 19-5. These two men are employed in the Meter Inspection Department, Building 19-4, and they conceived the idea that by countersinking these contacts a more secure and solid job would result.

Mrs. Carrie Cruse an award of \$5 on a suggestion regarding method of designating the leads on the collector type fractional horsepower motors in order to determine the direction of rotation. Mrs. Cruse, who is an employee in the Manufacturing Standards Department, Building 3-3, suggested that a cord be tied on one of the leads, which would distinguish the direction of rotation.

Francis L. Martz an award of \$5 on a suggestion regarding a lever for operating

the speed mechanism on Beaman & Smith milling machine located in Building 19-3. This lever will facilitate the change of the speed of the motors on this milling machine. Mr. Martz is an employee in the Induction Motor Machine Department, Building 19-3.

Coonie A. Norwalt an award of \$5 on a suggestion regarding new style connection for three collar jobs on KD and KDD transformers. Mr. Norwalt, who is an employee in the Transformer Winding Department, Building 26-3, designed a connection for these transformers which is easier to make and is more substantial.



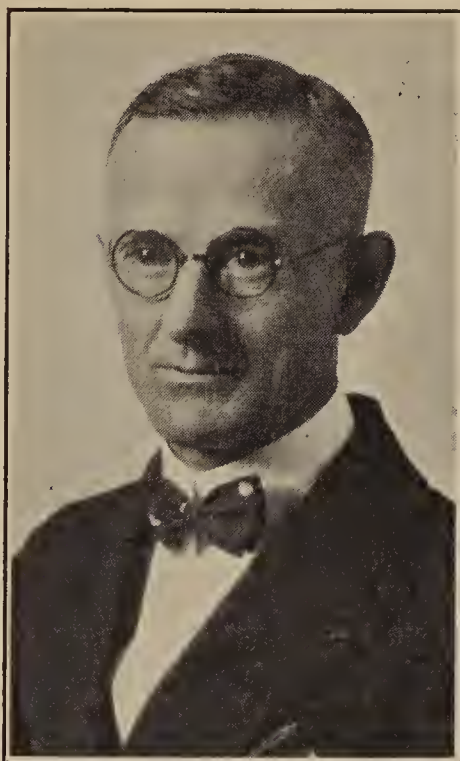
JOHN RICHARDS

Completed 25 Years of Service Sept. 12

Ghosts, Cider and Pumpkin Pies Feature Alpha Phi Dance

Up through a maze of corn passed a moaning ghost. It was greeted by an old witch—and thus began the Hallowe'en Masquerade Dance given by the Alpha Phis on the evening of October 28. Black cats, broad winged bats, long haired witches and happy faced pumpkins grinned and peered out from between the autumnal decoration of fodder and gayly hued oak leaves. As a seasonal wind rose and the lights flickered, the crowd danced beneath gayly swaying festoons. Weird games and contests caused much excitement and merriment for the gayly costumed guests. Bubbling cider and crispy pumpkin pies "like mother used to make" served as the refreshments, just touched the spot.

And as the witching hour of twelve slipped by and the guests were leaving, the old witch slowly retreated, the moaning ghost faded into haunts unknown, and the maze of corn parted, and the way was flooded with light.



NELSON RICHEY

Completed 25 Years of Service Oct. 12

Three Men Join Quarter Century Club

M. S. Willson and Wife Leave for California

Three new members, John Richards, Nelson Richey and William Kaade, have recently been elected to membership in the local G-E Quarter Century Club.

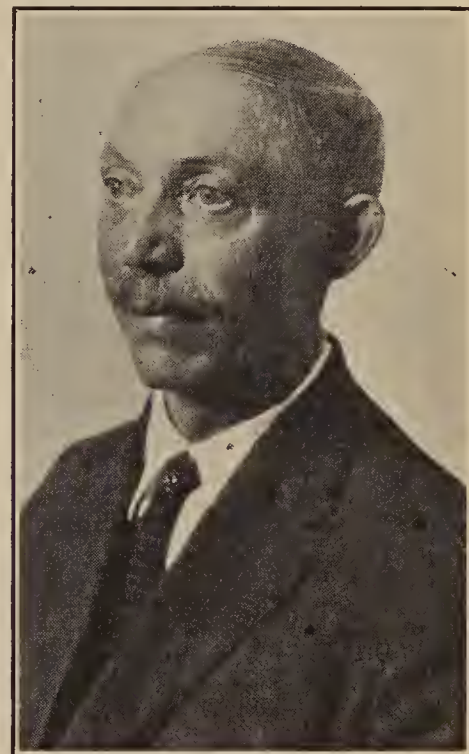
Mr. Richards qualified for membership on September 12, that date being the twenty-fifth anniversary of his coming to work here at the Fort Wayne Works. His first assignment to duty was in the Arc Lamp Department under Foreman John Bauer. Some time later he was transferred to the Detail Department and he has served in that department steadily up to the present time. Mr. Richards, by the way, is now the youngest member of the local Quarter Century Club, October 31st having been only his forty-second birthday.

Mr. Richey completed his twenty-five years of service on October 2 of this year. We find that he started work in the Japanning room treating laminations for the old arc generator armatures. After a while he was transferred first to the Winding Department under Lewis Fryer, thence to the Field Coil Winding Department under Carl Reher, and from there to the Testing Department. With this wide experience at his command he was able to secure a transfer to the Apparatus Engineering Department under Mr. Hadley, and finally became associated with Mr. Wagner in the transformer engineering work, in which he is still engaged. As Mr. Richey is only some seven months older than Mr. Richards, he too is one of the youngest members of the local Quarter Century Club.

Mr. Kaade started to work here at our plant October 7, 1899, as a core maker

in the Brass Foundry. Being a steady and skilled worker in this line he was continued on this work until two years ago when he was transferred to lighter work in the Standardizing Department, Building 19-5, where he is still employed. It is interesting to note that during his twenty-three years' service in the foundry he worked with his brother, Ferdinand Kaade, who is still making cores in the Foundry, Building 20.

The many friends of M. S. Willson, the former secretary of the Quarter Century Club, but now on the retired list, will be interested to know that he and Mrs. Will-



WILLIAM KAADE

Completed 25 Years of Service Oct. 7

son recently celebrated their golden wedding anniversary. It is understood that they will leave October 25th to spend the winter in Los Angeles, Calif.

The G-E Squares Have Busy Month

Two Candidates Initiated — House Warming at the Porters'—Big Hallowe'en Dance Given.

On the evening of October 2nd the Squares assembled in Building 16-2 and performed the ceremonies for two, not before then, but now members, David Kessler and C. E. Walters, both from Purdue. At this same meeting the following committees were appointed by President Hoglund to serve for the ensuing term: Executive Committee, H. G. Hoglund, chairman, L. O. Adams, H. Rath; Constitutional, E. C. Thomson, chairman, L. S. Branovan, E. J. Thomas, with J. C. Porter as advisor; Social, R. L. Whitaker, chairman, H. B. Woerner, R. Coates, with A. A. Ralston as advisor; Athletics, C. E. Bauman, chairman, E. W. Doerr, K. Huyette; Membership, P. Stough, chairman, David Kessler, W. R. Carylton.

H. Rath, treasurer, talked extensively

" 5 1897 says records when purchased Jan 1, 1929,



MISS MAY WILSON

Formerly Nurse in Dispensary No. 2

upon the treasury system used by the Squares, and upon the financial status, past and present. Plans were made for a Hallowe'en dance to be given the first week in November, and the subject of a basketball team was reopened, with the final decision left to Bauman and his committee. The customary cigars were brought out at the adjournment of the business session.

J. C. Porter and wife returned the first week in October from their honeymoon and are at home at 1302 West Wildwood. Mr. and Mrs. Porter are both from the University of Illinois, members of the class of 1922. Early in the evening of October 16th the other young married men of the Squares and their wives stormed the Porter castle and ate up everything that could be found and made merry well into the late hours, giving this newest addition to our married list a happy introduction to our fairer members and their engineer husbands.

Tuesday evening, October 21, a night cool and crisp with the fall wind rustling through the trees, and with a late harvest moon hanging in the sky, the Squares, with their ladies, frolicked around a camp fire in Foster Park, and roasted wieners and marshmallows furnished by the social committee, kindness of the treasury.

On Wednesday evening, October 29th, men from California, Wisconsin, Minnesota, Illinois, Purdue, Michigan, Terre Haute, Ohio State, Iowa, Kansas and Montana gave a dance on the balcony of Trier's Minuet.

With the close of the marble and tennis season and with the 1924 laurels of the racquet wielders resting upon the head of the tall Steinkemp, the talk has turned to football. The men from Illinois announce that if anybody wants to play a real team they should take the matter up with them, as games will be arranged with any aggregation that seems to be in the same class. This, of course, eliminates Purdue, Wisconsin, Minnesota and Michigan.

Miss Mae Wilson Resigns as Works Nurse

Miss Helen Hall Engaged to Take Her Place.

To fill the vacancy due to the resignation of Miss Mae Wilson, nurse in charge of Dispensary No. 2, Building 26, Miss Helen E. Hall, daughter of John E. Hall, secretary of the local G-E Quarter Century Club, has been employed. Miss Hall is a registered nurse, a graduate of the Pittsburgh Training School for Nurses located at the Homeopathic Hospital in Pittsburgh, Pa. Since graduating she has had six months of private duty, has served three years as industrial nurse at the Jones & Laughlin Steel Company in Pittsburgh, and substituted here one month during the illness of Mrs. Schick in 1922.

Friends of Miss Wilson surely regret seeing her leave. She is possessed of a most charming personality which was appreciated by those who unluckily, in need of first aid, called at Dispensary No. 2. Miss Wilson resigned on Saturday, October 25th, after being here about three years. During this entire time she was in charge of Dispensary No. 2. As some of her Works patients may know, Miss Wilson is a sister of Vance Wilson, of Building 19-3, and Forest Wilson, of Building 6-2. We wish you the best of success for the future, Miss Wilson, in whatever you may undertake.

Alpha Phi to Present Musical Comedy

Will Be Given at Emmaus Hall November 18 and 19.

"Miss Jim," a college play, will be presented by members of the Alpha Phi Club, November 18 and 19, at Emmaus Hall on South Broadway. Karl Geller is coaching the cast, composed of fourteen well known members of the Alpha Phi. Eddie Horstman as "Professor Popp" and Ross Jordan as "Leviticus," assures the play being



MISS HELEN HALL

New Nurse in Dispensary No. 2

amusing to both young and old. There is plenty of talent in the Alpha Phi, so that all parts will be well taken, and the play one of the best amateur productions to be seen this year. Rehearsals are already under way and Mr. Geller reports that the cast will be in fine training for the opening night. Be a "First Nighter" is the slogan of the club members who are selling seats.

Seat reservations can be made at Emmaus Hall beginning Sunday, November 16.

Those in the cast of "Miss Jim" shown in the group below are: Back row, left to right: Harry Dailey, LeRoy Aarens, Raymond Kierspe, Ernest Sommers. Middle row, left to right: Edward Horstman, Raymond Fricke, Henry Wittber, Karl Geller, director of play. First row, left to right: Edna Welch, LaVera Vail, Ross Gordan, Iona Holzworth as "Miss Jim," the girl from Dixie, Ellsworth Geller, Kathleen Shaefer, and Gladys Haiber.



THE CAST OF "MISS JIM," THE PLAY TO BE GIVEN BY ALPHA PHI

Girls Department



Popular Clerk in Tank Shop Given Birthday Present

Miss Berniece Riley, a popular clerk in the Tank Shop Office, Building 27, celebrated her twenty-first birthday on September 23rd. Again the boys of the shop arose to the occasion and presented Berniece with a beautiful hammered-silver bread tray.

Miss Mae Wilson Honored by Dinner Party

On Friday noon, October 24th, the personnel workers and nurses gave a dinner party in honor of Miss Mae Wilson, who resigned on October 25th. At the close of the meal the girls presented Miss Wilson a beautiful gift. Those present at the dinner were the Misses Margaret Nash and Helen Hall, nurses, and Lois Miller, Marie Blaugh, Marie Grothouse, Charlotte Beaty and Irene Fox, personnel workers, and Miss Wilson, the guest of honor.

Banquet Starts The Elex Club Year Girls Enjoy Week-end Party at Camp Yarnelle

The Elex Club started the new club year with a grand turnout at the Annual Fall Rally Banquet and Entertainment, held in Building 16-2 on September 28th. The election of officers at this meeting resulted as follows: Miss Lois Miller, president; Miss Chloey Hamilton, vice-president; Miss Tressie Singrey, secretary, and Miss Dot Cole, treasurer. With these girls at the head of the club we are confident that a big year is ahead.

The Wednesday club night is proving very popular with the girls, and why not, with such an attractive list of classes, to say nothing of the new swimming pool? Keep it up, girls.

The Elex week-end at Camp Yarnelle on October 4th and 5th was enjoyed by about eighteen girls. The majority of the girls met at the Y. W. C. A. and took the bus to camp. On the way up one of the back tires was lost and the girls had to camp on some country place for a little over an hour until the tire could be found. When girls are left to themselves, with no restrictions, they can have a wonderful time and that was just what the Elex Girls had. No one can say though that the girls can't cook, for the meals they had while at camp proved that they could. You should have sampled the fried chicken

dinner that the girls themselves prepared for Sunday noon.

Some time ago the Elex Girls divided into two groups and held a contest to see which group could secure the most new members. The captains of the groups were Lillian Steup and Agnes Moorman. Lillian's side lost, so they had to entertain the winners. Accordingly on Saturday afternoon, October 19th, both groups met at the interurban station and from there they went to the home of Miss Lillian Steup on the Sand Point Road, where they enjoyed a marshmallow and wiener bake. Those present were Miss McLane, Lois Miller, Hilda Walda, Chloey Hamilton, Tressie Singrey, Francis Hoevel, Agnes Moorman, Frieda Lipp, Marie Grothouse, Marie Blaugh, LaVera Vail, Dewey Witcliffe, and the hostess.

Don't You Wish You Had Been One of Them?

The following girls enjoyed a lovely picnic dinner on Thursday noon, October 2nd, in Building 17-4: Amelia Nohrwald, Hazel Clark, Hulda Rodenbeck, Frieda Knoche, Verna Huebner, Frances Woodward, Frieda Stalf, Ann Linnemann, Elsie Renefree, Lillie Benz, Vivian Haines, Bertha Lewis, Edna Rohrbach, Edith Schriener, Gladys Gross, Corinne Schriener, Stella Scheumann, Esther Moyer, Margaret Kemp, Edna Moody, Irma Kirn, Irma Hulen, Addla Schroeder, Flo Gilmore and Lois Miller.

Mrs. Myrtle ?????

On Friday, September 26th, a delightful farewell dinner was given in honor of Miss Myrtle Gearhart, an employee of Building 17-4, whose marriage was an event of October. At this affair Miss Gearhart was given a beautiful and useful gift. Those participating in the affair were the following: Gladys Skillman, Bertha Rodewald, Flora Gilmore, Myrna Treffery, Minnie Tobias, Nirea Miller, Frieda Stalf, Ann Linnemann, Anna Parent, Berneda Sapp, Hilda Shaper, Eva Baker, Alma Lehrman, and the honor guest.

News Brevities

Meter Department

Miss Dorothy Geiger, a leading operator in Building 19-4, was granted a three months' leave of absence the beginning of last month in order that she might remain at home on account of the serious illness of her mother.

Miss Frances McLaughlin, an inspector in the Meter Department, Building 19-5, has been absent from work for several weeks on account of an injured ankle.

Mrs. Marie Erdman returned to her duties as stenographer in the Meter Production Office, after a six weeks' absence on account of illness. She returned on October 20th.

Miss Velma Vincent was transferred during the first week in October from the Meter Department to the Transformer Department.

Mrs. Olive Kirchner has resigned her position in the Meter Department, Building 26-4.

Mrs. Katherine Miller, of the Meter Department, spent the first week of October in Cleveland, Ohio, visiting relatives.

Miss Velda Gambee resigned her position in the Meter Department last month. She left October 19th for Hartford City, where she is visiting relatives before taking up her new work.

Miss Catherine Diehl, an inspector in the Meter Department, Building 19-4, returned to work on October 14th, after being absent for two months on account of illness.

Miss Florence McLaughlin returned to work on October 13th after being absent for three months on account of illness in the family. She is employed in Building 19-4.

Mrs. Arietta Wilcox, of the Meter Department, Building 19-5, returned to work on October 20th, after being absent for a month on account of illness.

Mrs. Alice Sorg Meyers, of Building 19-4, returned to work on October 20th, after enjoying a three weeks' vacation.

Mrs. Edith Seeger returned to work on October 21st, after spending three months visiting relatives in Montana. She is employed in Building 19-4.

Pay Roll Department

Miss Naomi Graver, of the Pay Roll Department, returned to work on the 13th of October, after enjoying a vacation of one week.

Miss Lillian Stuckey was away from her duties the week of October 13th taking a week's vacation. She is an employee of the Pay Roll Department, Building 18-2.

Miss Susanna Hammond, of the Pay Roll Department, spent her vacation of one week at home.

Mrs. Dolores Orr returned to her duties in the Pay Roll Department on October 20th, after spending a two weeks' vacation in Peru, Indiana.

Distribution Department

Miss Ethel Lucille Miller, a messenger in the Distribution Department, has re-

turned to work after enjoying a week's vacation.

Miss Claire Voirol, stenographer in the Distribution Department, Building 18-2, spent her vacation the third week in October at home.

Order and Stock Department

Miss Jeanette Kapp, of the Order and Stock Department, Building 18-2, has returned to work after enjoying a week's vacation.

Accounting Department

Miss Nora Dress, of the Accounting Department, Building 18-2, returned to work on October 20th, after spending a week's vacation at home.

Information Desk

Mrs. Adeline Rhodes returned to her duties as Information Clerk on October 13th, after enjoying a week's vacation.

Fract. HP. Motor Engineering Dept.

Miss Gladys Haiber, stenographer for N. T. Kelso in the Fractional Horsepower Motor Engineering Department, Building 18-4, resigned on October 25th to accept a position with the Pennsylvania Railroad Company.

Miss Jeanette Weis has been transferred from the Stenographers' Training School to the Fractional Horsepower Motor Engineering Department, where she will take over the duties of Miss Haiber, who resigned.



CITY CHAMPIONS AMATEUR LEAGUE

(Standing from left to right): Frank Thompson, manager; Kenneth Krabill, p.; F. Sauer, lf.; Art Humes, coach; H. Mertz, rf.; C. Schroeder, rf.; Ed. Koch, assistant manager.
(Front row): F. Wambsganss, ss.; E. Parker, p.; K. Stahl, 1b.; W. Bowers, p.; J. Daley (capt.), 2b.; H. Roembke, 2b.; J. Walker, cf.; W. Wellman, 3b.; S. Taylor, cf. (Jacobs, catcher, missing from picture).

ATHLETICS

G-E A. A.

G-E Team Wins City Amateur Championship

After defeating Dudlo for the championship of the Y. M. C. A. Amateur Industrial League, the G-E nine defeated Pennsylvania, winners of the Y. M. C. A. Railroad League in a very close and well played game by the score of 3 to 2. Winning this game earned the G-E team the privilege of playing the Bethany nine, winners of the Sunday School League, who had previously defeated the winners of the Commercial League. The G-E team won this game by the score of 8 to 3, not finding the opposition they did with Pennsylvania. Winning the Industrial League championship carried with it a beautiful trophy donated by the Wilson Sporting Goods Co., and winning the City Amateur championship earned the Goldman trophy. These two cups are valuable additions to our increasing collection of trophies.

"Jim" Daley, captain and second baseman, led the team in hitting with 670 for eleven games. Wambsganss, shortstop, and Parker, pitcher, each finished the season with a 600 average for nine and eleven games, respectively.

G-E Meter Bowling League Going Strong

The G-E Meter Bowling League swung into action early this year, playing twenty-

four games to date. The Covers are on top of the league with a margin of two games. Lawrence is high in individual averages with 178 for twenty-four games, followed by Bushing and Weick with 174 and 172, respectively, for a like number of games. Thompson has 240 for high individual score, being followed by Lawrence with 232 and Steup with 230. Lawrence's 598 is high score for three games. The standing of the teams to October 17 is as follows:

Team	Won	Lost	Pct.	Ave.
Covers	17	8	.708	751
Bases	15	9	.625	763
Pivots	15	9	.625	756
Seals	14	10	.583	720
Elements	13	11	.542	741
Jewels	12	12	.500	740
Terminals	11	13	.458	730
Discs	11	13	.458	711
Magnets	6	18	.250	717
Registers	6	18	.250	712

City Industrial League Plans for Next Year

At the close of a very successful baseball season the officials of the City Industrial League, together with the managers of the teams, met and elected leaders for the organization for next season. This settled any doubts as to the possibility of a league next season and places the league in a position to get under way with no obstacles to hinder it. Frank O'Brien, who has been connected with G-E athletics for a great many years, was elected to head the organization, and Samuel Leland, this year's president, was elected to serve as vice-president. The league has been offered the use of Lincoln Life Field for next season and it is probably that all games will be played there. The league will probably be conducted along the lines of the one of 1923.

Prize in Cue Contest Won by Sam Newlin

The inhabitants of the basement of Building 18 who opened their noon hours over the green felt with their ears alert, listening for the click of two ivory balls, decided to settle all arguments as to who the best, luckiest (or whatever you call it) player is by tallying all scalps. The warrior who succeeds in making the balls kiss fifteen times before his opponent, is declared the victor. At the dawn of a new month the brave having the most scalps is awarded a trophy by Chief John Wefel. During the month of September "Andy Gump" Sam Newlin carried away the bacon with seventeen victories and eight losses. The standing of the players for September follows:

Name	Games	Won	Lost	Pct.
Newlin	25	17	8	.680
Hench	24	16	8	.667
Miller	20	13	7	.650
Leonard	26	16	10	.617
Snook	22	13	9	.591
Barkley	24	14	10	.583
Cupp	23	11	12	.469
Freeman	24	11	13	.458
Doan	16	7	9	.437
Zelt	23	9	14	.391
Rittenhouse	19	5	14	.263

If Stanley had conducted his famous expedition into "darkest Africa" in these times, he could have gone part way by electric railway. An electric line is now being built for a distance of 270 kilometers in the heart of Belgian Congo.

Historians of economic affairs announce that electrical illumination is now thirty-four times cheaper than it was forty years ago.

Decatur Works Section

Decatur Men Have Dinner Followed by Athletic Contests

On September 26th at 5 o'clock the men of all departments met at the plant for a picnic supper and a general good time. The first thing on the program was the meal, which was a delicious one and was thoroughly enjoyed by all who were there. Then followed the sports. Calvin Coppess and Albert Earehart of the Automatic Department won the championship in the departmental horseshoe contest. The lightweight tug-of-war was won by the Tool Room and the heavyweight tug-of-war by the Automatic Department. Honors for the relay race go to Tibie Gehrig of the Tool Room; in the sack race to Walter Shady of the Assembly Department, and in the three-legged race to Ransome Barkley and Curt Baxter, both of the Winding Department.

Music was furnished throughout the evening by the Willshire Band.

Gecode Club and Athletic Association Hold Dance

The Athletic Association and Gecode Club united in giving the annual Hallowe'en dance on Friday night, October 31st, at the Masonic Hall. An invitation was extended to the public, thus many employees outside the association and the club were present. This was one of the best and biggest dances ever given by the two groups. Music was furnished by an out-of-town orchestra.

Guiseppe Faccioli Visits Decatur Works

Guiseppe Faccioli, of the Pittsfield Works, visited our Decatur Works on October 8th. Manager W. S. Goll and other officials of the Fort Wayne Works accompanied him. Messrs. E. W. Lankenau and Bert Gage returned to Fort Wayne with the party in order to be present for the address delivered by Mr. Faccioli before the American Institute of Electrical Engineers that evening at the Keenan Hotel.

Motion Picture Benefit Show Given by Basket Ball Players

The Decatur General Electric Company basket ball players, both boys and girls, gave a benefit moving picture show on Thursday evening, October 23rd. The title of the picture was "Manhandled," in which Gloria Swanson, a noted actress, starred. There was a large number attended this benefit picture.

Miss Alta Smith was confined to her home the week of October 6th on account of illness.



DECATUR GIRLS' BASKET BALL TEAM

Standing: Dora Hendricks (Manager), Miriam Meyers, Mary Hill, Verena Miller and Alvena Dibble. Kneeling: Billy Hendricks, Inez Parrish (Captain), and Margaret Meyers. Seated: Leona Leich and Olive Merriman.

Two Basket Ball Teams Are Organized

The Decatur Works will have two basket ball teams in the field this season, one composed of girls and the other of boys. Both teams are now busy practicing and expect to make names for themselves in the basket ball world. The boys' team is composed of the following: Forest Garton, forward; Bill Lindemann, forward; Carl Smith, center; Arthur Bieberick, center; Jack Teeple, guard; Glenn Patterson, guard; Walter Shady, guard; and Chester Kleinknight, guard.

The following make up the girls' team: Inez Parrish, captain and forward; Billy Hendricks, forward; Leona Leich, forward; Miriam Meyers, center; Alvena Dibble, center; Olive Merriman, guard; Margaret Meyers, guard; and Verena Miller, guard. A picture of the girls' team is given in this issue.

Miss Berneta Tanbas New President of Gecode Club

The members of the Gecode Club held an election of officers on the evening of October 15th. Those elected were as follows: Miss Berneta Tanbas, president; Miss Daisie Girod, vice-president; Miss Esther McIntosh, secretary and treasurer; and Miss Fern Passwater, news reporter.

The serving committee for this month are the Misses Alma Andrews, Frances Gault, Verena Miller and Dora Hendricks.

Charles E. Baxter Wins \$15 Award

The Committee on Suggestions announces the following awards made on suggestions at the Decatur Plant up to October 21, 1924:

Chas. E. Baxter an award of \$15 and \$12, respectively, on two suggestions. The first suggestion deals with a change in the forming tools for making the collector sleeves for the armatures manufactured at the Decatur Plant and the second suggestion deals with a new design tool for making the clamping washer on the same armatures. These two suggestions are improvements to tools used on automatic screw machines and speed up their respective operations considerably. Mr. Baxter is an operator in the Screw Machine Department at Decatur.

Athletic Association Installs New Officers

At the annual election of officers for the Athletic Association held on October 2nd, the following were successful: Alva Buffenbarger, president; Bill Heim, vice-president; Ben Hoagland, secretary and treasurer; and Clyde Beery, Chester Kleinknight and Ethel Tumbleson, board of directors.

Miss Leona Marquarett, who has been off duty for some time on account of an operation, is getting along nicely.

Charles B. Fitch Discusses Problems Facing Fort Wayne

TELLS MEMBERS OF O. I. E. E. THEIR HELP IS NEEDED

THESE PROBLEMS DESERVE ATTENTION OF ALL GOOD CITIZENS

A CITY is no better nor worse than the folks who call it their home. Measured by any standard, viewed from any angle, gauged by her ideals of business, education, music, art, morals or beauty and harmony of construction she will reveal the character of her citizenship.

This being true, what is your responsibility as a citizen of your city? What is the relationship between you and your city? It is where you live; it is where your business is located; where you cast your vote; where your children are educated; where your family pleasures are enjoyed and the wounds of your sorrows healed. It is where your neighbors live and where your friends give you affection. It is the place of your home life where you live. Your home and family is but a unit in the group of citizens of your city. No one can live wholly unto himself. As you are influenced by others, so others are influenced by you and in this is the crucial test of the character of your citizenship.

It is not enough to live a simple, moral and upright life attending strictly to your personal affairs unmindful of the welfare of your city. You are entitled to and expect to receive all the benefits of city government. Your financial support in the payment of taxes satisfies only a portion of your obligation to your city.

Your city needs your intelligent cooperation in solving the many problems of city planning and city development. She needs your sympathy, not malice; your interest, not indifference; your assistance, not hindrance; your wise counsel and wholesome advice and not criticism; your enthusiastic support in an endeavor to build a better city and not a pessimistic antagonism against every public improvement.

The American Institute of Electrical Engineers is an organization whose members are educated and trained in a line of endeavor requiring highly developed genius and skill. You are noted for your power of initiative. The greatest inventions of all time are the result of your research and experiments. Your work is never finished, for each new discovery unfolds possibility of still greater import.

Endowed as you are with education and practical knowledge, with experience extending from cause to effect in the process of industrial development you are especially equipped to render great service for the benefit of your city.

Let us be more definite and instead of referring to your City, let us say Fort Wayne for Fort Wayne is your city and you are proud of that because Fort Wayne is the best city in this glorious country of

ours. We have a right to say that because in 1920 the International Harvester Co. investigated the claims of twenty-six cities in order that they might select the best city for the location of their proposed new motor truck plant. After several months of careful and unprejudiced investigation they selected Fort Wayne as the best, measured by well established standards of location, shipping facilities, city government, industrial conditions, the friendly relation of employer and employee, religious and educational facilities and practice, water supply and fire protection, climate, health and sanitation, banking and clearing house reports indicating volume of business done, and more important the character of our citizenship manifested by the large percentage of home owners, their savings accounts and their civic pride and loyal support to the good name of Fort Wayne, your city.

While Fort Wayne is the best city, there are many things to be done to further improve conditions. So let us consider some of the possibilities for improvement that are quite apparent and not too difficult to accomplish.

In 1870 Fort Wayne was a city of 17,000 inhabitants. In 1880, 26,000; in 1890, 36,000; in 1900, 45,000; in 1910, 63,933, and in 1920, 86,549. During that last decade she gained nearly 23,000 splendid people.

Just now Fort Wayne is growing at the marvelous rate of about 6,000 people per annum requiring nearly 1,500 new homes and new school buildings to care for about 1,000 additional children of school age. This means an extension of city limits, more parks, play grounds and an expansion of every form of public service in harmony with private business expansion and the constant increase in the rate of the growth of our population.

In years gone by our people had no conception of this wonderful increase in population. No thought was given to the possibility of Fort Wayne becoming a big city and no plans were made to meet the needs of a large population. And so Fort Wayne is now confronted with many problems, an early solution of which will be of great benefit to our city.

It seems to me that the most urgent need of Fort Wayne is a modern sewer system. More than fifteen years ago this need was recognized and the city employed Metcalf & Eddy, a firm of well-known sanitary engineers to investigate this need and to submit plans for a complete system of adequate capacity to meet the demands of a large city. Metcalf & Eddy had a vision of Fort Wayne becoming a city of 150 or 200 thousand people and submitted plans supposed to be ample for many years. The

plans were received together with their bill of \$5,000 for the service rendered. The bill was paid and the report and recommendation likewise the voucher were filed and apparently forgotten. Since then Fort Wayne has nearly doubled her population and her city limits have been extended so that her area is two and one-half times as large as it was then. New sewers have been built of course to meet the immediate demands of new additions and an intercepting sewer, entirely inadequate, was built south of the St. Marys and Maumee rivers, but even today there is much of the city sewage passing into the rivers endangering the health and life of our people and the people of New Haven and other towns on the Maumee east of the city.

Many of you have come to Fort Wayne from other cities where you formerly enjoyed having filtered water for domestic use and have an opinion of the quality of the water you are using in Fort Wayne. In 1896 and 1904 and again in 1919 competent hydraulic engineers were employed to make surveys and plans to provide for an adequate supply of pure water. In every report it was proposed that we install a filtration plant with the St. Joseph river as the source of supply. Each report obtained at much expense was received without being adopted. We are still using water from wells, a system that has long since been abandoned by many cities because of the danger of contamination and because of the uncertainty of the supply. We need pure water in Fort Wayne and we need a much greater supply, particularly for fire protection.

The fire insurance rates in Fort Wayne are higher than they are in Indianapolis, South Bend, Terre Haute or Evansville. The reason for these high rates is the inadequate water supply.

In former years very little attention was paid to the location of streets. New plats of additions were approved and filed with no thought of the need of continuous streets with the result that today we have hundreds of unnecessary jogs in streets and dead ends, causing much inconvenience to traffic and delay to the fire department in answering calls.

Many streets are too narrow and need to be widened. This involves an expenditure that some property owners object to, but the sooner this work is done the less the expense will be. This work must be done some time to relieve the rapidly increasing congestion of traffic. It seems to me that objecting property owners are short sighted because it is the experience in other cities that where business streets have been widened property value quickly advanced sufficiently to many times more than pay for the cost of the improvement.

KEEPING FIT CONTEST

Standing Major Departments, October 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	3.30	38.80
2. Meter Department.....	18.15	12.00	33.90
3. Fractional HP Motor.....	22.25	18.00	19.12
4. Decatur	6.81	6.00	11.90
5. Contributing Departments.....	20.12	23.35	—16.05
6. Induction Motor	4.78	6.00	—25.55
7. Building and Maintenance.....	11.25	15.35	—36.48
8. Transformer	11.25	16.00	—42.25

All of this trouble could have been avoided if there had been in use a system of city planning. In 1921 the state legislature passed a law known as the City Planning and Zoning law giving a city the right to regulate and control the platting of new additions and the location of factories and various kinds of business. Fort Wayne has not availed itself of the advantages of this law, although other cities of the state have done so with very satisfactory results.

In connection with city planning we should consider streets, boulevards, highways, grade separation, bridges, aviation field, parks and play grounds, river beautification and flood prevention. Each of these is a subject requiring much time for investigation by experts so that an intelligent solution may be had and a common sense plan and program may be carried to completion.

No doubt many of you have been reading the contribution by R. B. Hanna in the column of the News-Sentinel. Mr. Hanna has a vision of the possibilities for Fort Wayne improvements. He sees your city in the near future with its present population doubled and still growing. He is to be commended for his splendid effort. Of his many worthy recommendations there is one of special importance with a need for early attention and that is the change of street car lines in certain streets in the business district to relieve traffic congestion.

As the purpose of this paper is to solicit your interest in these numerous city problems which are your problems, affecting your business and home life, property values and financial resources, let us review the list of these problems or city needs:

- Sewer system.
- Water.
- Fire prevention and protection.
- City planning and zoning.
- Widening and straightening of streets.
- Additional boulevards and highways.
- Railroad grade separation.
- Bridges.
- Aviation field.
- Parks and playgrounds.

- Smoke prevention.
- River beautification.
- Flood prevention.

Civic pride is a wonderful factor in the building of a city. Civic pride creates interest and co-operation without which nothing of importance can be done well. Civic pride creates harmony and a spirit of good fellowship. It develops an honest to God good will towards your competitors and trying to do.

If this is true let us strive to develop a civic pride.

The best known agency for this work is the Chamber of Commerce, the center of community thought and action. The welfare of your city appeals to you to lend your enthusiastic support for the accomplishment of needed improvements and the building of a better city. Let us work for your city, Fort Wayne with Might and Main.

Rice Memorial Scholarship to Be Awarded Next Year

Would you like your son to receive a \$300 per year scholarship to Stevens Institute of Technology?

The Richard H. Rice Scholarship, the Company's memorial to the former manager of the Lynn Works went unfilled this year. Consequently, it will be awarded next year. Your son may receive it.

None of this year's applicants for the

scholarship was able to fulfill all of Stevens' entrance requirements. Boys who contemplate applying for the scholarship should make certain that before the year is over they have completed all the subjects required to enter Stevens.

While the scholarship is open first to sons of Lynn Works employees, it is quite probable that it will be impossible to find anyone there in a position to accept it. Under those conditions, it will be awarded to the son of an employee from some other Works. Now is the time to plan on making application.

Full particulars regarding the scholarship can be obtained from Johnson O'Connor, secretary of the committee, West Lynn Works.

E. T. C. Will Have Party on November 12

E. C. Foley, chairman of the entertainment committee of the E. T. C. Club, announces a real old time treat for the members. A banquet will be held at the Plant November 12th at 5:30 o'clock, this banquet consisting of a big order of sauerkraut and wieners, commonly known as hot dogs. Of course, there will be other things on the menu, but sauerkraut and hot dogs will be the piece de resistance.

There will also be some entertainment after the banquet if the members are able to enjoy entertainment after such a sumptuous repast.

To Lessen Unemployment Company Appropriates \$2,000,000 To Be Used Building Apparatus for Stock

Recently the General Electric Company has appropriated two million dollars for the express purpose of constructing apparatus and supplies for stock. The work is to be done in those departments which are suffering from lack of orders at present. The idea is to keep the factories running as full as possible, and prevent unemployment as much as possible, despite the shortage of orders from customers for

certain lines of products. The machinery and supplies so manufactured will be stored in warehouses and empty spaces in factory buildings.

It is hoped that all branches of business will pick up later in the fall and that the increased orders will soon be reflected in greater activity in the shops.

So the two million dollars appropriated should help to tide over the interval until business improves.

Aladdin would have liked to meet this young lady. He had a good lamp; but see this!



The biggest and the smallest

The biggest lamp made by the General Electric Company is 30,000 watts, equivalent to 100,000 candles. The smallest is called the "grain of wheat" lamp. It is used in surgical operations on the stomach.

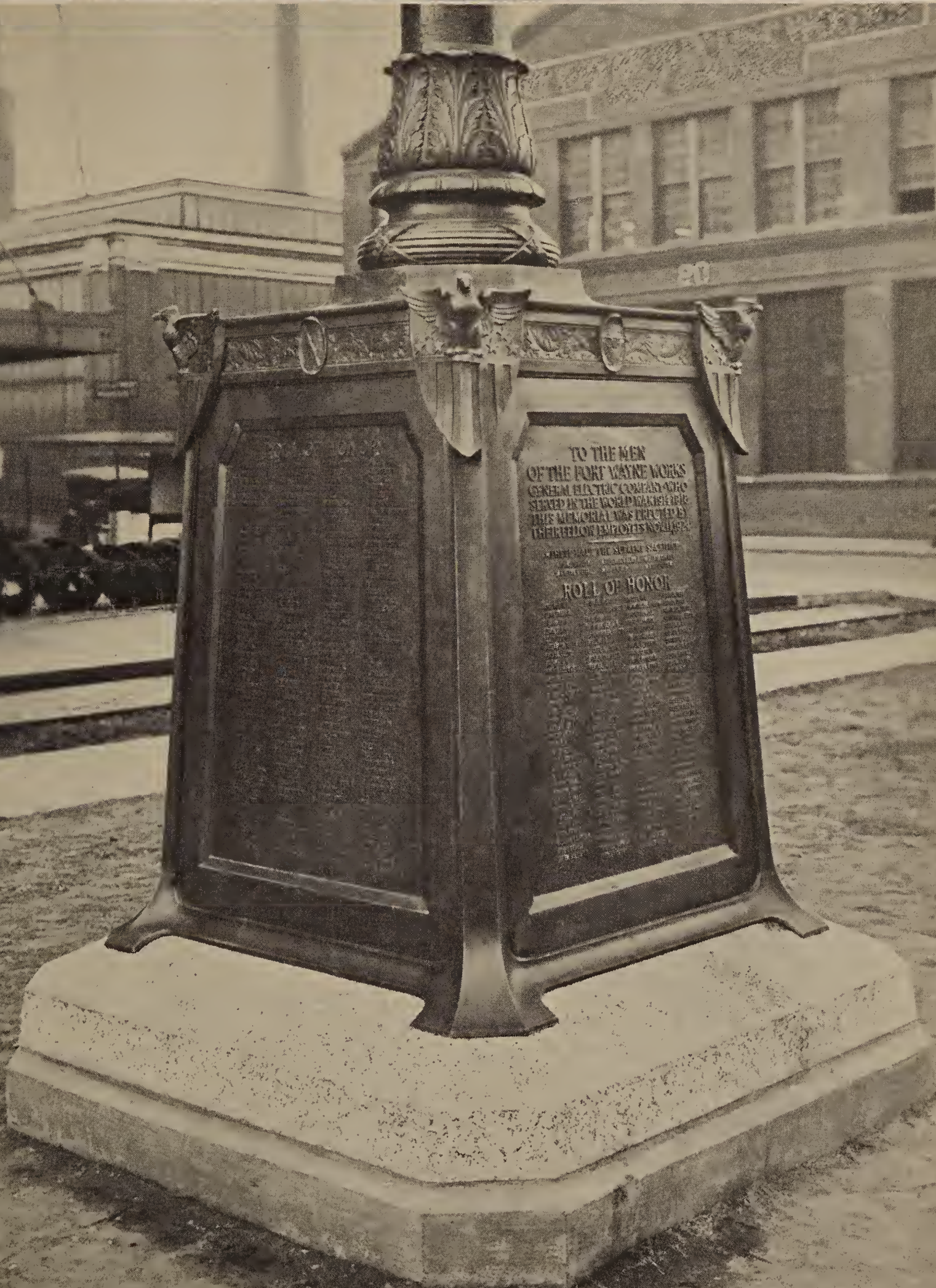


While the cost of almost everything else has advanced since the war, the cost of MAZDA Lamps—and the current for lighting them—has been materially reduced. Use the right lamps and use them freely; no other home comfort costs so little.

Both are MAZDA Lamps, like the lamps in your home—MAZDA being the mark of the continuous research service centered in the General Electric laboratories in Schenectady.

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines



December

Oh! holly branch and mistletoe
And Christmas chimes where'er we go
And stockings pinned up in a row!
These are thy gifts, December!

And if the year has made thee old,
And silvered all thy locks of gold,
Thy heart has never been a-cold
Or known a fading ember.

The whole world is a Christmas tree,
And stars its many candles be.
Oh! sing a carol joyfully
The year's great feast in keeping!

For once on a December night
An angel held a candle bright
And led three wise men by its light
To where a child was sleeping.

—HARRIET F. BLODGETT.

War Memorial Fittingly Dedicated By Special Ceremonies on Armistice Day

**Wreath Placed By General L. R. Gignilliat in Honor of Those Who
Gave Their Lives**

WITH little attention to the drizzle of rain a large crowd assembled at the foot of our Works Memorial Flag Pole on the afternoon of Armistice Day, to do honor to the men who left our plant for service in the Great World War. The regular Armistice Day parade was ended here at the plant and this crowd was increased by employees who assembled at the memorial for the dedication event.

Following an invocation by Rev. A. J. Folsom of the Plymouth Congregational Church, Charles M. Neizer, president of the First National Bank, spoke on the subject, "Fort Wayne in the World War." He mentioned that out of 5,000 who enlisted from this county, 149 men and two nurses gave their lives to the cause. Those who remained at home gave of their energies and financial means toward the prosecution of the war. "The world never dreamed," he said, "that a people could marshal such wonderful productive energy." In this the people of Fort Wayne did well their part.

Mr. Goll then spoke on the activities of the Works during the period of the war, and at the close of this address unveiled the base of the memorial on which is inscribed the names of the Fort Wayne Works men who left for service in the World War. As some may not have heard all of this address we reproduce it below:

"Upon this, the sixth anniversary of the signing of an armistice which marked the end of over four years of frightful anguish and suffering—a war in which were engaged more than half the civilized nations of the world, we are assembled to do honor to the members of this Fort Wayne Works who went forth in defense of their country and of humanity.

"These men, some by voluntary enlistment, others by conscription, engaged directly in the service of their government in the lines of battle or in activities immediately in support thereof. Those of us who remained at home contributed in one way or another to the common cause.

"To the five liberty loans this plant subscribed a total of \$1,542,000 of which \$1,118,000 was contributed by the employees and the balance by the Company.

"During the period in which this country participated in the war a large part of the standard product of these Works

was used in equipping and operating other industries engaged in the production of materials for war or work contributing thereto:

"Generators and transformers and power motors for driving factories; crane motors for the steel mills and ship yards where were built vessels for the navy and for the emergency fleet; rock drills for the coal mines, which produced the coal for this vast industrial activity; ice machines for use on submarine chasers and torpedo boat destroyers; gasoline driven lighting sets for lighting and radio service on vessels of the emergency fleet.

"In addition to these standard lines we developed and manufactured many special devices in which up to that time we had had no experience. Bomb-releasing mechanisms for dropping high explosives from bombing planes; balloon winches of a new and superior type for the control of captive observation balloons; taffrail logs for measuring the speed of ships at sea; pack saddle generator sets for operating field radio equipments; airplane radio sets for the Royal Air Forces of the British government; a large variety of motor-generator sets for the United States Army and Navy, designed to furnish energy for radio equipments on airplanes, the emergency fleet and elsewhere.

"Most of the production involved more or less experimental and developmental work and short deliveries in a period of great shortage of material and labor—a difficult task which the members of this organization met and discharged with honor to themselves and to the Company and satisfaction to its customers.

"But, my friends, far greater honor is due the seven hundred and forty-eight men of these Works who engaged directly in the service of their country, all of whom endured the dangers and hardships of that service and six of whom made the supreme sacrifice.

"These men served loyally and unselfishly in defense of the constitution of the United States and its symbol, the flag. In affectionate recognition of that service and that sacrifice we, the employees of this plant, through our personal contributions, at the suggestion and under the sponsorship of the Foremen's Association, have caused to be erected this monument of



**GENERAL COMMITTEE OF FORE-
MAN'S CLUB IN CHARGE OF
WAR MEMORIAL**

Standing: E. C. Olds, H. W. Stahlhut.
Seated: H. E. Hire, I. H. Freeman, F. J. Schwartzkopf.

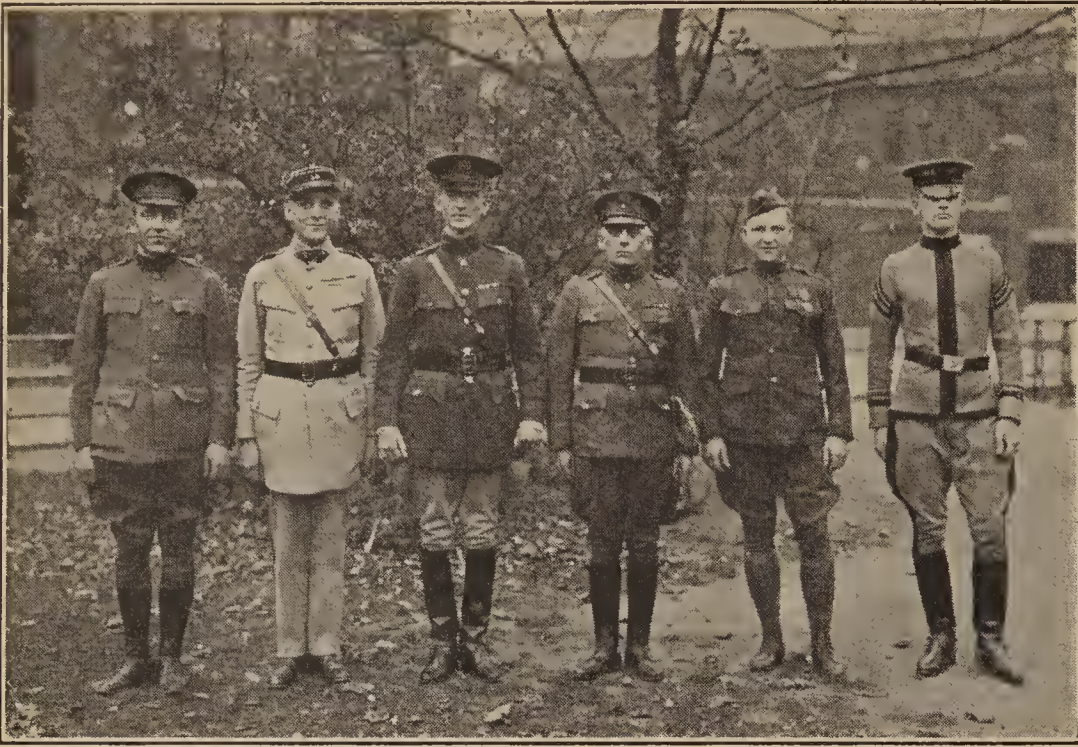
imperishable granite and bronze whereon are inscribed to endure for all time the names of those to whom we this day pay solemn tribute.

"That their service and their sacrifices be not in vain, may we forever cherish and jealously guard the principles of freedom and liberty for which they fought and died."

Following the unveiling of the memorial, Brigadier General L. R. Gignilliat, Commandant of Culver Military Academy, was introduced and spoke as follows:

"Ladies and Gentlemen, this is indeed a fitting memorial—this stately flag staff from which the beautiful flag of our country will float day by day over the plant of this patriotic company, over the homes of this patriotic city.

"Were I to ask the ex-service men in this Company what was the most necessary quality in the captain of a company or the colonel of a regiment I know what they would place first. It would not be his military bearing or the quality of his voice. It would not be his knowledge of tactics or field service regulations, as necessary as that is. It would be the care and his thought of his men. The man who thinks first of his men is the sort of leader that men will follow into hell itself. I see just that in the fine appreci-



MILITARY GROUP WAR MEMORIAL DEDICATION

Lieut. Harry Muller, Commander American Legion Post 47; Lieut. Georges Bally, of French Army; Brigadier-General L. R. Gignilliat, Commandant Culver Military Academy; Captain R. R. Bartel, Sgt. George Graue, and Cadet Lieut. Ralph Polk of Culver Military Academy.

ation of this Company for the war services of its men. I see that quality in its generous war policy in paying an extra month's salary to all of its men who went into the service. In counting the service of its employees with the Colors in their continuity of service with the Company, so that they who went to war with three years' service with the Company came back after two years with five. How fine it was that every man when he came back found his old job waiting for him or one just as good—and that no ex-soldier whether he was in the Company or not has ever been turned away if a place could be found for him. They were not all like that—I know.

"I want to say, ladies and gentlemen, that I esteem it a great honor to participate in a ceremonial under the auspices of an organization with a splendid war record and such a splendid spirit of appreciation of its men who wore our country's uniform.

"And I consider it a great honor to participate in this Armistice Day celebration in this patriotic city of Fort Wayne. This city that in its proportion of voluntary enlistments to population outdid its sister cities not only of the state but of all America. What a wonderful tradition that is for your citizens of tomorrow.

"We Hoosiers are just a little chesty over our Hoosier patriotism. The first American gun of the war was fired by a Hoosier. And these old boys in blue will remember that an Indian, Private Girard, was the first to give his life in the Civil War. And do you remember when those first dispatches came back giving our first casualties in the war, they gave the name of Corporal Greshan, of Indiana, the first to give his life in the American

army? They buried him and his two comrades up in the Vosges Mountains where he fell. On one side of his grave our doughboys in olive drab—on the other side the French poilus in the uniform of blue. A French general, the division commander, spoke over the graves, amid the roar of guns and the bursting of shells. 'In the name of France I bid

farewell to Corporal Greshan, Private Enwright and Private Hay. They have fallen facing the foe in a hard and desperate hand-to-hand fight. All honor to them.'

And so I say, 'All honor to those we commemorate here today.'

"And as we look skyward and see Old Glory floating from the peak of this beautiful staff, let us remember them reverently, gratefully and determine that their sacrifice shall not be in vain.

"And now as we stand uncovered let me call the roll of the men of the General Electric Company of Fort Wayne who gave their lives in the cause of freedom.

"Cleo M. Woods,

"Walter L. Hibbins,

"Roy Maxson,

"William R. Hilgeman,

"Harold T. Adams,

"Daniel B. Slentz."

Interesting Event Ahead for Local Members A. I. E. E.

Membership Open to Anyone Interested
in Electrical Work

THE local section of the American Institute of Electrical Engineers has ahead of it an interesting program of six events which merit the attention of anyone regardless of engineering training, that may be interested in electrical work.

Prof. A. A. Potter, dean of the School of Engineering at our own State school, Purdue, will tell of the personnel grading of engineering students as they do it at Purdue. There will be moving pictures too, at this meeting, so it will be at once instructive and entertaining. The meet-



RECEPTION COMMITTEE WAR MEMORIAL DEDICATION

Standing: John L. Verweir, A. L. Foellinger, John Pulver, L. D. Meader, H. J. Andress and F. S. Walburn. Seated: E. A. Barnes, Beulah Kinna, Irene Fox, Lois Miller, Martha Scherzinger and W. S. Goll.



THE CROWD AT DEDICATION EXERCISES

ing will be held in Building 16-2, at 8:00 p. m., December 18th.

On January 22nd will occur the annual dance. It will be given at the Packard Music Hall.

Chester Lichtenberg, of our Switchboard Engineering Department of Schenectady, will describe the "Supervisory System for Automatic Stations," on the evening of February 16th. This talk will be illustrated by motion pictures and will be held in Building 16-2 at 8:00 p. m.

On March 19th Robert M. Feustel, president of the Indiana Service Corporation, will be the speaker of the evening. His subject will have to do with some phase of traction work and will probably be of special local interest. There will be motion pictures also and the meeting will be held in Building 16-2.

The new Automatic Telephone Exchange, corner of Barr and Berry streets, will be inspected by the A. I. E. E. members on April 23rd. This will be of special interest as it will not be long thereafter until we will be using the automatic phones. Mr. E. L. Gaines will explain how the exchange handles the calls.

May 21st is the date of the annual banquet. This is always a big event and one-half the cost is borne by the treasury of the club. The place for this banquet will be announced later.

We have it on good authority that there are generally light refreshments served at the meetings of the section. Special effort is directed toward making all meetings of interest to those who may lack technical training. Local membership in the section costs but \$2.00 per year and the fact that there are now 161 members, half of which are classified as locals,

speaks well for the practical value of the meetings to anyone who may be interested in electrical work.

Applications for membership are available at any time and a year's membership is counted as twelve months from the date your application is accepted. E. B. George, Building 18-4, chairman of the Membership Committee, will gladly provide you with an application blank.

Production Begun on Disc Phonograph Motors

OUR Meter Department is beginning production on a recent design of the induction disc phonograph motor known as type AZ-133. A survey of the field indicates that there is a sizeable market for a quiet, reliable and not too expensive motor of this nature and it is expected that this design of motor may enjoy a fairly heavy production.

The design of this motor may be ascribed to the local Developmental Laboratory collaborating with the engineers of the local Meter Department. A previous design of this induction disc motor was manufactured at Roselle Park.

An inspection of the design of the motor shows very clearly the similarity to the motive element of a watt-hour meter, and explains the manufacture of these motors in the Meter Department. The double elements give a balanced torque which is greater than that of the usual spring motor used on phonographs. When installed the disc motor occupies the space below the turn table, the spring motor being entirely eliminated. A ball centrifugal governor built into the assembly of

the motor regulates the speed to a nicety and insures that all phonograph records will be played at the proper pitch. As the torque is always the same there can be no reduction of speed during the rendition of a record as may happen with a spring motor when it is practically run down.

Local Employees' Bonds Earn Eighteen Thousand Dollars

ON December 1st, about 1,275, or about thirty-one per cent of the employees of the Fort Wayne Works, including Decatur, received notice of the earnings on their G-E Employees' Securities Corporation bonds. Some received new bonds aggregating over \$5,000; some received reports of the earnings that have accrued on their interest orders, aggregating over \$5,600. This total of \$10,600 has resulted through the operation of interest orders filed. Some received checks aggregating over \$8,200.

Bond Holders	Approximate Amt.	
1,275—31%	\$467,000.00	
Average	Earnings	Average
\$366.00	\$18,850.00	\$14.78

These figures are worthy of study. The earnings aggregate over four per cent for the six months' period, because those who filed interest orders have had additional money working for them with no time lost. Those who have taken their earnings, represented by the \$8,200 paid by checks, are entitled to the earnings in that form. There is no criticism meant or implied, but some of those may not have bought the full quota of \$500 this year and it is recommended to them that they fill as much of that quota as possible from the proceeds of those checks.

*Save Your Bonds and Watch Them Grow!
File an Interest Order and Help Them Grow!*

Electro-Technic Club Serves Sauerkraut-Weiner Dinner

Dance Planned for December 10th

THE sauerkraut-weiner dinner served by the Electro-Technic Club on the evening of November 12th, was a popular one if we may judge by the number in attendance and the hearty appetites of the men.

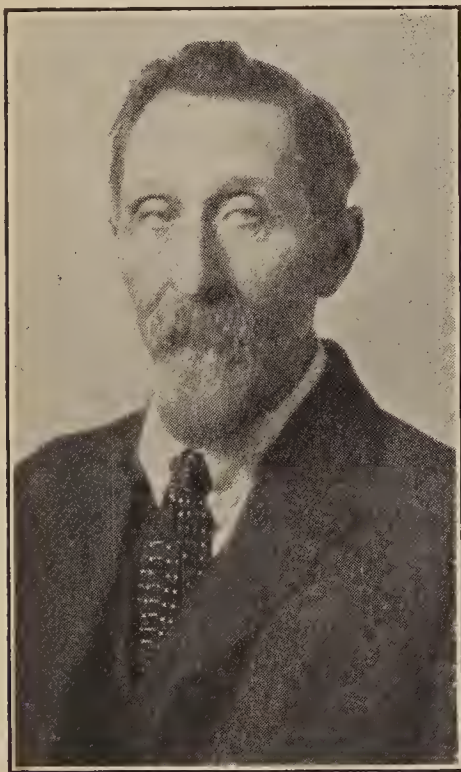
Sauerkraut, dumplings, weiners, mashed potatoes, pumpkin pie and coffee formed the complete menu and as served by our restaurant force rivaled any menu of our city's best hotels.

Following the dinner, George Kress, of Building 4-5, and William Weighman put on a blackface comedy act that would make a hit on any vaudeville stage. In this act these two comedians worked in some excellent advice for A. C. Hartman, chairman of the club, and S. C. Newlin, the secretary, which members say they hope these men may follow.

Much credit for this rousing good meeting is due to E. C. Foley, chairman of the Entertainment Committee, who many believe is giving the club the best season

of entertainments that it has ever enjoyed.

E. C. Foley, chairman of the Entertainment Committee of the E. T. C. Club, has announced that plans are practically completed for a big dance to be held by the E. T. C. Club for the members and their families at Trier's Hall on Wednesday evening, December 10th. Arrangements are being made to get a first-class orchestra and it is expected that this will be a very successful affair. Every E. T. C. member will be admitted free upon presentation of his membership card at the door, and will be entitled to bring with him one lady. Membership tickets will be on sale for any one who wishes to attend the dance but has not yet secured a membership ticket for this year.



JAMES P. LEITZ

J. P. Leitz of Store Room, Placed on Retired List

AFTER thirty years of steady service, Mr. J. P. Leitz, veteran employee of the Store Room, Building 6, was retired from active service and placed on the retired list, December 1st, at the age of seventy-eight years.

Mr. Leitz came to the employ of the Fort Wayne Works December 12, 1894, taking employment under Harry Evans, who was then foreman of the Carpenter Shop. After six months in this department Mr. Leitz was transferred to the Store Room, where he has since been engaged in packing and crating the products of our plant.

And few men with anything like his term of service can boast as steady attendance as he. Practically his only absence from his accustomed place was that resulting from an accident which kept him from his work for a period of three months. Even at the advanced age to

which he has served, Mr. Leitz could be depended upon in eight hours to turn out a full day's work. His industry and faithfulness have well earned a relief from his daily tasks. It is the hope of all his many friends that he may long enjoy the pension which has been granted to him.

Venerable Fire Chief Lays Down Trumpet

**Worked Here Thirty-Five Years; Was
Fire Chief Twenty Years**

AS all our readers know, Chief William G. Wurtle, head of our Volunteer Fire Department, died November 3, 1924, after a very short illness. Less than two weeks before his death he led his men in extinguishing a fire in Building 19-4.

Chief Wurtle was connected with the Works Fire Department from the time of its organization in 1895. Being trained as a fire-fighter, he was made captain of one of the two fire companies organized at that time. It was in 1904 that Mr. Wurtle was made chief and he held this position to the time of his death.

As it was only as fire chief that most of us knew Mr. Wurtle, it may be interesting to know that he was for years a machinist and toolmaker in our plant. He learned his trade in the Pennsylvania shops and after several years as a machinist in their employ, he came to this Works as a machinist on June 17, 1889. His first work here was in the Detail Department under Foreman Snyder. After a time he was transferred to the Meter Department, where for a very short time he worked under Mr. Strube. Work in the Toolmaking Department was then assigned to him and he stayed in that department under foremen Wood, Johnson, Holz and Evans until 1913, when he was assigned to full time duty making fire inspections of our plant and training the volunteer firemen in their duties in case of fire. The extraordinary success of his work in this line is evidenced by the exceedingly low fire losses here in our plant and the honors that have come to our local firemen in competitions with industrial and volunteer firemen in this section of the state.

Chief Wurtle was born in Wittenburg, Germany, February 16, 1854. When only three years of age he came with his parents to America and at once to our city of Fort Wayne. He attended St. John's Lutheran School until fourteen years of age, at which time he took his first job with a candy manufacturing concern here in the city. This was the beginning of an industrious life that continued to the time of his death.

His record of thirty-five years' continuous employment with the responsible position as fire chief, speak for the high esteem in which his services were held by the management of our Works. Further evidence of this esteem is embodied in the following letter written by Mr. Hunting, our former Works manager, under whom Mr. Wurtle for many years served:

November 6, 1924.

Mr. J. E. Hall, Secretary,
Quarter Century Club,
General Electric Company,
Fort Wayne, Indiana.

My Dear John:

I received your notice with reference to the funeral of Billy Wurtle. I had previously received a newspaper clipping announcing his death. I am very sorry, indeed, to hear that he has passed away. I always found him a man who was absolutely reliable and straightforward in every way, and a very capable man in the line of work which he was handling. You will all miss seeing him traveling around the Works. Few employees are now left who have seen the many years of service that he saw. I remember with a good deal of pleasure some fishing trips with him, which enabled me to become much better acquainted with him.

I feel in the death of Mr. Wurtle that I have lost one of my old friends.

Yours very sincerely,

F. S. HUNTING.

FSH-AR



WILLIAM G. WURTLE

Fifteen Awards Granted, But All Small Amounts

**Committee Anxiously Awaiting for
More Valuable Suggestions**

THE Committee on Suggestions announces the following awards made on suggestions up to November 25, 1924:

Ernest O'Neal, an award of \$15.00 on a suggestion regarding new design tool for machining new style RSA stators. Mr. O'Neal is employed in the Small Motor Stator Machine Department, Building 4-1.

Donald B. Voorhees, an award of \$10.00 on a suggestion regarding using four in place of three rivets in pole piece on IA-101 relays. Mr. Voorhees is an employee of the Meter Winding Department, Building 19-5.

E. Eylenberg, an award of \$10.00 on a suggestion regarding method of fastening thermostatic metal to mounting plug on thermometers. Mr. Eylenberg is an employee in the Meter Clock Machine Department, Building 19-4.

Leonard Krumbigel, an award of \$10.00 on a suggestion regarding making transpositions on transformer coils without cutting wires. Mr. Krumbigel is employed in the Transformer Winding Department, Building 26-3.

Earl Sweeney, an award of \$10.00 on a suggestion regarding doing away with counterboring of the relay V magnets. Mr. Sweeney is employed in the Meter Light Machine Department, Building 26-4.

O. J. Meyers, an award of \$10.00 on a suggestion regarding arbors to aid in taping outside of RSA fields. Mr. Meyers is an employee in the RSA Winding Department, Building 4-5.

George M. Louthan, an award of \$5.00 on a suggestion regarding addition to fixture for pressing out commutators of RSA motors. Mr. Louthan is employed in the Small Motor Commutator Department, Building 4-3.

Louis D. Hopper, an award of \$5.00 on a suggestion regarding inspecting extinguishers or placing pyrene on all factory elevators. Mr. Hopper is an employee in the Electrical Maintenance Department, Building 2-1.

Edward Klomp, an award of \$5.00 on a suggestion regarding guard for line shafting of armature winding machines located in Building 4-5. Mr. Klomp is an employee in the Small Motor Armature Winding Department, Building 4-5.

S. J. Nyboer, an award of \$5.00 on a suggestion regarding guard for drill press. A check for the amount of the award was mailed to Mr. Nyboer, since he is no longer in our employ.

Thomas Cole, an award of \$5.00 on a suggestion regarding new style switch insulation on all Shelton vibrators. Mr. Cole is employed in the SDA Assembly Department, Building 4-4.

James V. Stouder, an award of \$5.00 on a suggestion regarding guard for fly-wheel of punching press. Mr. Stouder is employed in the Apparatus Rate Department, Building 17-2.

Edward M. Chellew, an award of \$5.00 on a suggestion regarding guard for grinder. Mr. Chellew is a student engineer working under the Industrial Service Department.

Glenn McAtee, an award of \$5.00 on a suggestion regarding guard for grinder.

Mr. McAtee is an employee in the Small Motor Casting Machine Department, Building 4-2.

F. D. McMyler, an award of \$5.00 on a suggestion regarding cutting additional manhole in platform for loading meter sand blast sand into bin. Mr. McMyler is an employee in the Meter Stock Department, Building 19-5.

Quick Repairs Made to Customer's Transformer

ON September 3rd we received a low voltage coil for a very large General Electric transformer, property of the Consumers' Power Company of Flint, Michigan, which had been damaged by lightning. In physical proportions this was a larger coil than any manufactured here at this Works, the dimensions being seven and one-half feet in length, and twenty-one inches across. The coil weighed approximately one ton. One of the leads at the top of the coil was burned off by the lightning discharge, the resultant arc burning the cylinder and two of the vertical spacers. The customer needed the transformer back in service at the earliest possible moment.

Local men looked the proposition over and decided the practical way to repair the coil was to insert a small section of a new cylinder, renew the burned out spacers and solder on a new flexible lead. In order to be sure that the transformer coil was then O. K. it would be necessary to give it electrical tests.

Since the coil was larger than any built here the engineers tackled the problem of providing a test core while the repairs were being made. In the Punch Press Department some strips for type H, form K laminations were found which would serve the purpose of a test core. Over four tons of these strips were assembled within and about the coil as shown in the illustration on this page. The test was made with this improvised core and the repaired coil found to be O. K. With a continuation of speedy work the coil was boxed for shipment and it was expressed back to the customer on the morning of the third day after it was received here at this Works.

Considerable credit for putting through this rush job is due to William Miller, Charles Richards, Gabe Oswald, Paul Kirback and Clarence Nichter of the factory force; Everett Coates and Roland Fawcett, who tested the coil, and A. W. Tharp, the engineer who directed and followed the work. Rather than individual effort however, it was the team work which put the job through in record time. It is by service such as this that we cement the friendship between the customers and our organization and thus assure ourselves of our share of business in the years yet to come.

Alpha Phi Play and Banquet Usher in New Term

THE college town comedy, "Miss Jim," presented by the Alpha Phi Club at Emmaus Hall on November 18th and 19th under the direction of Karl Geller was, without a doubt, one of the best local amateur plays recently staged. The club in appreciation of the efforts of the members of the cast took them to a dinner at the Baltes Hotel immediately after the last performance of the show. Hank Wittber made an able toastmaster.

One evening later the cast enjoyed the hospitality of Ross Jordan at his home, seven miles out on the Bass road. Cards, bunco, dancing and music made a merry evening of it. Prizes were won by Ray Kierspe, Karl Geller, Gladys Haiber and Lucille Sarrazin.

Probably the most enjoyable as well as the prettiest affair yet staged by the Alpha Phi Club was the banquet given by the club in Building 16-2 on November 25th in honor of their new members.

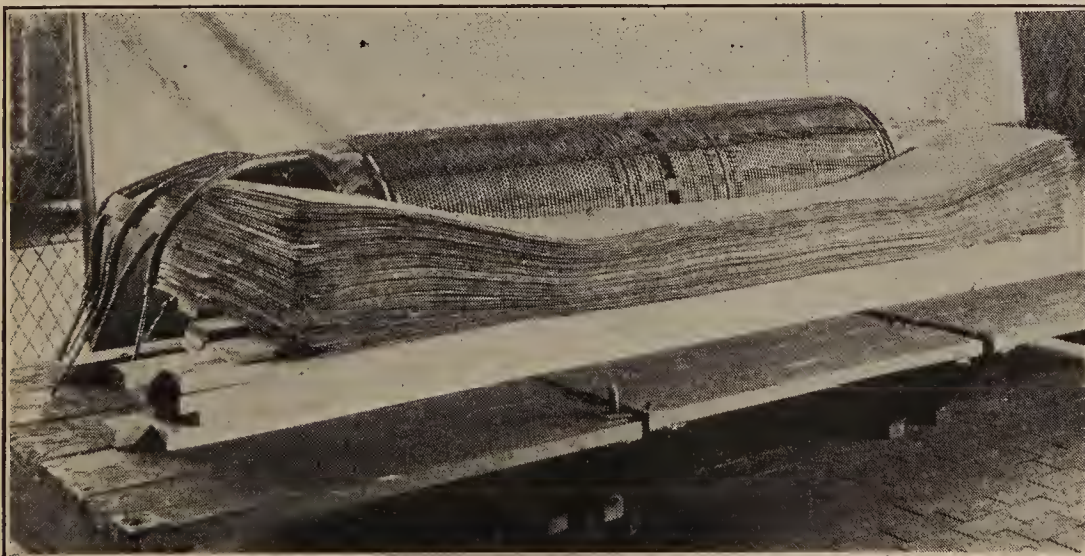
At 6:30 a delicious roast chicken dinner, and everything to go with it was served. The color scheme used was the club colors, old rose and silver. The lighting fixtures were cleverly decorated in a bower of huge roses made of crepe paper. Rose crepe over silver was used on the tables, and in the middle of each table was a silver bowl filled with Ophelia roses, the club flower. Roses were also used as favors for the members and guests. Members of the club furnished the music for the occasion, Karl and Ellsworth Geller sang, and Clarence Kock's orchestra played for the dancing.

After the banquet the election of new officers took place, resulting as follows: Karl Geller, president; Roy Bracht, vice-president; Eddie Horstman, secretary, and Edna Sarrazen, treasurer.

The new officers will meet soon and appoint the standing committees.

Following the election the real fun began. Each new member was "called-on-the-carpet," but only to be locked up. In small groups they were then brought forth and what happened then, we won't tell, only this—they were initiated into the Alpha Phi.

Guests at this meeting were the following patrons and patronesses of the club: Mr. and Mrs. O. L. Weitzman, Mr. and Mrs. J. T. Fredendall, and Mr. and Mrs. W. H. Fritz.



THE BIG TRANSFORMER COIL AND THE HURRIEDLY DEVISED TEST CORE

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
R. F. Smith _____ Safety
Velma Arnold _____ Girls' Department
Wade Reed _____ (G-E A. A.) Athletics
Verena Miller _____ Decatur Works

REPORTORIAL STAFF

S. C. Newlin _____ Electro-Technic Club
Marie Grothouse _____ Elex Club
Carrol Blincoe _____ Apprentice Association
Fred Duryee _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
Perry Shober _____ Band
J. E. Hall _____ Quarter Century Club
K. Szink _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
L. O. Adams _____ G-E Squares
Irene Fox _____ Absent Employees

Vol. 8 December, 1924 No. 12



**JOHN HESS AND HIS BROKEN
GOGGLES**

He Has a Right to Smile, Goggles Saved His Eye

John Hess, a new employee in the Apprentice Department, had an eye saved because he followed instructions and wore his goggles when using a grinder. Mr. Hess was grinding shear blades when the grinding wheel broke, one piece making a "bull's-eye" on the right glass of his goggles.

Four Scholarships at Union College Established as Memorial to Dr. Steinmetz

Sons of G-E Employees and Young Men Employed by This Company to Be Given Preference

THE news that the General Electric Company had created as a memorial to Dr. Charles P. Steinmetz, four scholarships at Union College, has been commented on with delight by all those friends who were closest to Dr. Steinmetz during his life. The universal testimony is that, in view of the great engineer's struggles for an education and his intense interest in educational work throughout his life, no memorial could be more fitting.

The Directors of the General Electric Company carefully considered various forms of memorial before reaching a decision to establish four scholarships at Union College, by making a payment of \$25,000 to the college. The scholarship allowances will probably be sufficient to pay for the student's entire tuition and laboratory fees.

The details governing the awarding of the scholarships are now being worked out by a special committee and full announcement will be made and forms of application will be distributed. The scholarships are to be awarded (1) to sons of employees or to young men now employed by the Company and (2) to sons of residents of Schenectady if there should be no applicants from any of the works of the General Electric Company.

The career of Dr. Steinmetz is a striking example of what great native ability, linked with proper education, can accomplish despite apparently insurmountable obstacles. The education of the great engineer, while extensive, was secured only through his own indomitable will and constant efforts to supplement a meager allowance by tutoring his fellow students.

After obtaining an education in the classics at the classical gymnasium in Breslau, Dr. Steinmetz spent six years at the University of Breslau. Here, while studying assiduously and tutoring others, he studied and completed courses in higher mathematics, physics, astronomy, chemistry, medicine, philosophy and electrical engineering; in addition to this extensive training, he spent a year studying mechanical engineering in the Zurich Polytechnic Institute.

Even at the peak of his fame and usefulness in his electrical work, Dr. Steinmetz always found time to devote time, energy and wisdom to the cause of education. He was a member of the Board of Education of the City of Schenectady for many years, also serving as President of the Board. He took an active interest in the broad educational program of the General Electric Company and represented the Company in the Association of Corporation Schools.

No young man ever approached Dr. Steinmetz for advice and encouragement and failed to secure both in large meas-

ure. He has been quoted as saying: "Any young man can do as well as I have done in life, if he is given the right opportunity." He believed that opportunity meant adequate training and an opening in the vocation which lay close to the heart of the student.

Dr. Steinmetz looked upon proper education as an indispensable asset. As a teacher, he was well known through his work at Union College, where the Steinmetz Memorial Scholarship men will study. At Union he was a professor of electrical engineering for ten years and also head of that department.

Undoubtedly the scholarships will be sought by young men not only for the financial assistance they will give, but even more for the honor which will attach itself to them, carrying on as they do, the spirit of Steinmetz.



NEW FIRE CHIEF PAUL G. GRIMME

Paul G. Grimme Appointed Fire Chief

Served Twelve Years as Night Chief

A new fire chief, Paul G. Grimme, has just been appointed to fill the vacancy occasioned by the death of Chief William G. Wurtle on November 3rd. Mr. Grimme's appointment, effective November 24th, as made by General Superintendent E. A.

Barnes with approval of Works Manager W. S. Goll, comes as a well deserved promotion after twelve years as night fire chief and in charge of the night watchmen of our plant.

Paul came to the Fort Wayne Works in 1903, taking work in the Assembling Department then located in Building 3-2. In 1910 he secured appointment on the Works volunteer fire fighting force and about one year later was made captain of Company No. 1. In 1912 he was advanced to night fire chief and in connection with work as assistant chief watchman, held the position until his appointment November 24th as Chief of Works Volunteer Fire Department.

Mr. Grimme's initiation in fire fighting work came as a member of the city force of Salamanaca, N. Y., back in the year 1901. As a member of the Salamanaca Hook and Ladder Company he attended the Pan-American Exposition at Buffalo on the occasion of the Special Firemen's Convention held there at that time.

We believe Mr. Grimme's appointment will be highly pleasing to all the members of the local volunteer firemen for he has ever been a popular member of this group which safeguards our plant against fire. He brings to his duties a long acquaintance with the work and a thorough familiarity with all the equipment and plans for protection against fire.

The Works News congratulates Mr. Grimme on his advancement to this responsible position as Chief of the V. F. D. and in so doing believes that it expresses the sentiments of all employees of the Fort Wayne Works.

J. H. Evans Qualifies for Quarter Century Club

THE latest addition to the membership of the local Quarter Century Club is J. H. Evans, assistant to the manager of this Works. Mr. Evans completed his twenty-five years of service on December 1st. However, he has worked more than twenty-five years for this Company and companies which later became a part of the G-E organization. It was in 1891 that Mr. Evans took employment with the Wells & French Company of Chicago, a concern that soon thereafter organized the Siemens & Halske Company, which later was absorbed into the G-E organization. On the organization of Siemens & Halske Company Mr. Evans was transferred to their employ but after serving them some four years, resigned and took employment elsewhere. On December 1st, 1899, Mr. Evans again took employment with the Siemens & Halske Company and remained with them until the spring of 1901 when he was transferred to the Fort Wayne Works, and given charge of the Shop Office. His advancement here has been a steady one, first to the position of head accountant, then production manager and finally as assistant to the manager and in charge of production.

After enjoying the pleasures of the Quarter Century Club membership no



J. H. EVANS
New Quarter Century Club Member

doubt Mr. Evans will regret that fate decreed a break in his service record which prevented his sooner being a member of the local club.

Activities of the G-E Squares

AT the November meeting of the G-E Squares on Tuesday evening, November 4th, E. B. George of the Small Motor Engineering Department, gave a discussion of the "Design of Small Motors." In this survey Mr. George explained briefly the various standard types of small motors manufactured by the General Electric Company and mentioned some of the unusual designs which have been made for special apparatus. Mr. George left the theory underlying the operation of the various types to be taken up at a later meeting. These talks by the engineers who have experience in the field are greatly appreciated by the younger men who expect to take up the same type or related types of work.

The interest during the past month has centered around football and has resulted in several of the boys attending games at their own or other schools. R. E. Coates, W. R. Carlyon, E. J. Thomas, and H. B. Woerner were at Madison, Wisconsin, on November 15th, and saw the homecoming game between Wisconsin and Iowa. A. A. Ralston visited our old member, S. H. Ruggles at Columbus and saw the Ohio State-Michigan game. Ruggles reports that he is enjoying his work as appraisal engineer with the Beaman Thomas Company of Columbus, Ohio. About half of the organization saw the homecoming game at Purdue, November 22nd, between Purdue and her old rival Indiana. Chester Bauman made the trip to Purdue in his Oldsmobile tractor in a little less than thirteen hours and states that with prevailing winds and fairer weather and a

horse and buggy he could reduce this time materially.

Curtis M. Baldwin, the champion cribbage player of Montana, has been having hard luck of late. He has won only two games during the past three weeks. But luck must change and so one evening with Lydick as his partner he won, due to "Cactus" holding "19" hands.

Mrs. Harvey Rath, wife of our treasurer, returned November 22nd from a visit with her own and husband's families. The Raths are living at the home of M. S. Willson, 2310 Hoagland avenue, during the absence of Mr. and Mrs. Willson in California.

The wives of H. M. Osmun and W. C. Carlyon are visiting their parents in Allagan, Michigan, and Union Grove, Wisconsin, respectively.

The G-E Squares' annual Christmas dance will occur the third week in December on the balcony of Trier's Minuet. The definite date and information on arrangements will be made known later by R. L. Whitaker, chairman of the Social Committee.

G-E Apprentice Alumni Hold Bowling Tournament

The latest event on the Alumni program was a five-man team bowling tournament held at St. Paul's Hall, Tuesday evening, November 18th. Teams were selected by lot and prizes were awarded for high total team score, second high team score, low team score, and individual single high game score. Team No. 1, composed of Joe Miles, Bernard B. Byanski, Roy Bracht, Elmer Sauerwein and Herbert Adamske, won first prize. Team No. 5, composed of A. L. McKillop, Don Smith, E. G. Stock, Julian Franke and Edward Ehrman won second prize and Team No. 2, composed of Henry Klingenberg, Edwin Kammeyer, Walter Greiner, Clarence F. Roembke and Oscar L. Weitzman, won low prize. John Rippe won the prize for high single game with a 207 score, followed closely by C. F. Roembke with 204, and Herbert Adamske with 203. Adamske had an average for three games of 192. Pretty good bowling, Herb! Judging by the way the maples were spilled, an all-star team could be picked from our association which would be the equal of any team in the city.

Sometime during the month of December a stag party will be held in Building 16-2. The evening will be devoted to entertainments of various kinds and the committee has promised a good time for all. None should miss this December event.

The nominating committee will meet in the near future to nominate officers for the coming year.

By the time this is read, our president, Joe Miles, will have joined the ranks of the Benedicts, the fateful day is Thanksgiving and we sincerely hope that it may be forever a day of Thanksgiving to him. We heartily congratulate you, Joe, and hope that yours may be a happy married life! Tum-tum-de-tum!

Vice-Pres. G. E. Emmons Retires from Active Service

President Swope Makes the Following Announcement

"G. E. Emmons, vice-president in charge of manufacturing, has asked to be relieved of the responsibilities of his position, which he has carried so ably and so long.

"Mr. Emmons has served the Company loyally, wholeheartedly, and indefatigably for almost forty years. In this time the manufacturing operations of the Company have grown from small beginnings to their present magnitude in volume of business, in number of plants, and in number of employees. He has met his arduous responsibilities not only with outstanding ability, but in a manner which has won and held the respect and affection of workers in all grades of service throughout the organization.

"The Board of Directors, in passing upon Mr. Emmons' request for retirement, has acceded to his wishes with regret but with full recognition of the justice of the request. It has spread upon the minutes of the Board of Directors of the Company a resolution expressing its appreciation of his long and loyal service, its admiration of the manner in which his work has been performed, and the affection with which the Directors, in common with his 70,000 co-workers of the General Electric family, regard him.

"It is the hope of the Board of Directors, officers, and all Mr. Emmons' associates, that in his California home, surrounded by those dearest to him, he will enjoy many years of life, of health, and happiness. He will carry with him the most valuable tribute that any man can have, the enduring affection that he has won in the hearts of his associates."

Miss Katherine Archer has been transferred from the Distribution Department to the Blueprint Department, Building 18-5.

Miss Estella Angevine is away on a three months' leave of absence on account of her health. She was employed in Building 4-5.

Miss Melba Jubianville began work on November 21st as a messenger in Building 18-2.

Among Our Absent Friends

Miss Josephine Zimmerman of the Industrial Service Department, is a patient at the home of her sister, 718 Harmar street. Joe has been undergoing quite a siege in the past three months but the latest report from her bedside is that she is slowly improving. Joe, we all hope you will be back in our midst soon again, for your kindly smile has been missed greatly by all those associated with you.

Faye Ware, of 1208 Orchard street, is reported recovering from an operation for appendicitis. We hope, Mr. Ware, that

your period of disability will not be long, for your fellow workers will be glad to see you back at your place soon again. Mr. Ware is employed in the Transformer Drafting Department.

Miss Dorothy Geiger, formerly a leading operator in the Meter Department, is at home at 2402 Maumee avenue. Dorothy has been absent for some time caring for her mother, who has been quite ill. We all hope that her mother will soon recover so that she can be back with us soon again.

William Reed of the Meter Department, Building 26-4, has been confined to his home at 1208 Wall street, for the past three months nursing an injured knee. The latest report from his home is that he is improving and expects to be back to work about the first of the year. He has our best wishes to this end.

Thomas Stuart employed in Building 10-3, is a patient at St. Joseph's hospital, having submitted to a rather serious operation. The personnel representative reports that Mr. Stuart expects to leave the hospital soon and return to his home at 1434 Stophlet street. Mr. Stuart, you have our best wishes for a speedy recovery.

Miss Nellie Franklin of the Meter Department, Building 19-4, is taking a three months' leave of absence in the hope of regaining her health. The latest reports from her home at 1415 Spring street, is that Nellie is feeling a great deal better and is taking on some weight. This will be good news to all your friends, Nellie, for they are all anxiously waiting until you can return to work and be among them again.

Mrs. Margaret Voorhees of the Transformer Department, who has been a patient at the Lutheran hospital, has been removed to her home in Highland Park Forest. It has been reported that Margaret is improving nicely and expects to be back to work soon.

James Crowell, an employee of the Punch Press Department, Building 4-1, has been confined to his home at 319 Superior street, for the past three months suffering from neuritis. There has been little change in Mr. Crowell's condition, but we hope he will soon find relief and be able to return to work.

Fred Baus, of 3502 Holton Court, has been away from his work as machine operator in Building 19-4, for the past two months because of an injured ankle which he sustained while alighting from a car on returning to his home one evening. The latest report from his foreman is that the ankle is still giving Fred a lot of trouble, but he is hoping to be back on the job in a few weeks.

J. Bachman of the Store Room under P. Kindt, is still confined to his home at 1911 Broadway, suffering from a severe case of bronchial trouble. The personnel representative reports that Mr. Bachman is slowly recovering, but it will be some time before he is able to come to work.

Decatur Works Section

Give Social for Benefit of Athletes

On Wednesday night, November 26th, Decatur Works basketball players and Gecode Club girls gave a public social at the Decatur Plant for the benefit of the basketball players. Dancing and games were enjoyed in the club rooms while the men were given the privilege of playing cards in the main office. At 10:00 p. m. a mock wedding took place which resolved into a guessing contest, prizes being awarded to those who guessed the names of those in the wedding party. The principals were: Esther McIntosh, ring bearer; Olive Merriman, flower girl; Leota Burnett, best man; Berneta Tanvas, bridesmaid; Billy Hendericks, the bride; and Verena Miller, the groom. Little James Lister also entertained with several selections on his mouth harp. Refreshments were served at all times.

Four Bowling Teams Organized

Great interest about the plant is taken in the bowling teams, all of which are working hard for the highest score. Each team is well balanced and a good match for any of the others. The names and players on the various teams are as follows: "Giants"—E. W. Lankenau, Wm. Heim, Hubert Cochran, Lawrence Beal, Frank Braun, and Adam Schafer. "White Socks"—Albert Fruechte, George Myers, Solomn Lord, Earl Blackburn, Walter Lankenau, and Carl Schafer; "Cubs"—Calvin Coppess, Melvin Ballogly, Leo Bognner, Marion Hoagland, Cash Lutz, and Bert Gage; and "Browns"—Dick Earehart, Clyde Beery, Fred Engle, Dewey Gallogly, Charles Baxter, and Alvin Buf-fenbarger.

Decatur E. T. C. Members Attend Fort Wayne Meeting

On November 12th seven of the ten Decatur members of the Electric Technic Club attended the sauerkraut supper which was given at the Fort Wayne Works. Those attending from Decatur were: E. W. Lankenau, Bert Gage, Cash Lutz, Frank Braun, Bill Heim, Bob White, Albert Fruechte and Charles Baxter.

Girls' Sewing Club Recently Organized

Eighteen girls of Decatur Works recently organized a sewing club which will hold its first regular meeting on December 1st. This club will meet every Wednesday night in the club rooms of the plant and will sew under the supervision of Miss Christen, who is a teacher in the Decatur High School.

Serving Committee Appointed for December

The Gecode Club, Decatur Works, has appointed the following girls to be on the serving committee for this month: Vera Eady, Gladys Reffey, Glan Ayres and Ethel Tumbleson. On November 12th the committee had as their guest at the club supper Mrs. Martha Carpenter of Elwood, Indiana. Mrs. Carpenter was formerly an employee of the Works.

Absences

Miss Margaret Myers of the Winding Department returned to work on November 10th after an absence of two weeks due to illness.

Dewey Gallogly of the Automatic Department suffered painful injuries on Friday, November 7th, when he accidentally severed his finger below the first joint. Mr. Gallogly will probably be off duty for a month or more.

Paul Reynolds tore the ligaments in his leg on Saturday, November 8th. He is employed in the Automatic Department.

Forest Garton and Carl Archer, both of the Punch Press Department, suffered injuries on November 5th. Mr. Garton mashed his finger and Mr. Archer suffered a severe cut on his thumb. It is hoped that these injuries will heal quickly so that these men may soon return to work.

Ed Boknecht of the Inspection Department suffered an attack of heart trouble on November 3rd.



**Y. M. C. A. INDUSTRIAL TROPHY
WON BY G-E A. A. BASEBALL
TEAM**

ATHLETICS

G-E A. A.

Y. M. C. A. Amateur Basketball Games Start in December

Six teams have already signified their intention of entering the Y. M. C. A. Amateur Basketball League and it is possible that one more or even two more teams may enter. These teams, Wayne Knit, Bass, Bowser, Pennsylvania, Wayne Tank and Pump Co., and General Electric, have had several meetings to discuss the rules for this season and it is probable that the season will start Saturday night, December 6th at 7:15 p. m. All games are to be played in the Y. M. C. A. gymnasium, three or four games being played each Saturday evening. John Blakeley has been appointed manager of this year's team by the teams' committee and a coach will be selected at a later date.

B. H. Rohrbaugh Appointed to Manage Swimming Events

The teams' committee of the G-E A. A. has appointed B. H. Rohrbaugh of the Standardizing Department, Building 19-5, to manage the swimming team and supervise all events. All those interested in this branch of sport are requested to get in touch with Mr. Rohrbaugh on phone 280. The first event of the season was a swimming match in the Y. M. C. A. pool last Monday evening, December 1st.

Bases Take Lead in Meter Dept. Bowling League

The Bases have replaced the Covers in first place in the Meter Department Bowling League and the Seals have dropped from fourth to sixth place. The standing otherwise has not changed from last month. Some very good averages are being maintained by these bowlers, selected chiefly from the supervisory forces of this department. Bushing and Lawrence each have an average of 176 for thirty-six games. C. Rump is second with 171 for thirty games and Weick is third with 168 for thirty-six games. Bushing has high individual average with 254, followed by Thompson and C. Rump with 240 each. The Pivots have high team score with 881 and the Bases are second with 880. The standing of the teams November 20th was as follows:

Team	Won	Lost	Pct.	Ave.
Bases	24	12	.666	759
Covers	22	14	.611	748
Pivots	20	16	.556	747
Elements	18	18	.500	740
Jewels	18	18	.500	739
Seals	18	18	.500	723
Terminals	17	19	.473	730
Discs	17	19	.473	720
Magnets	14	22	.389	731
Registers	12	24	.333	723



**GOLDMAN TROPHY FOR CITY CHAMPIONSHIP
WON BY G-E A. A. BASEBALL TEAM**

Howard Miller Wins in Billiard Contest

During the month of October Howard Miller succeeded in chalking up enough victories in the running billiard contest to make him champion. This victory crowns the efforts of years of practice and proves the adage that "If at first you don't succeed, try, try again." This youth, unheard of forty years ago in the billiard world, has struggled along until he has finally reached the height of his ambition, to become champion of the billiard sharks of the basement of Building 18. To accomplish this he had to overcome such opposition as Sam Newlin, last month's champion, and "Bill" Doan, "Bill" Cupp, Neal Hensch, and Mart Einseidel. These battles are hard fought and attract capacity crowds, each group cheering for their favorite. The standing of the players for October was as follows:

	Pct.		Pct.
Miller	.739	Lindemuth	.526
Newlin	.692	Freeman	.500
Doan	.631	Wolf	.461
Cupp	.625	Barkley	.437
Hench	.590	Enders	.411
Einseidel	.590	Wefel	.411
Leonard	.555	Rittenhouse	.384
Tillman	.555	Zelt	.321
		Momper	.250

The National City Bank of New York, in its most recent trade analysis, states that the total exports of electrical goods in 1923 amounted to seventy million dollars, compared to twenty-five million in 1913, and ten million in 1910.

Until an electrical machine was devised to do the work automatically, twelve hundred people were required by a New York city street railway company to sort and wrap the nickels, dimes and pennies collected on its system as fares.

Girls Department



First Term of Evening Educational Classes Closed

New Term Begins on December 3rd

The first term of the Wednesday evening Educational Classes given to Elex Club members and sponsored by the Y. W. C. A. has closed. On December 3rd the second term will begin. There are only three weeks for classes in December as the classes are not held on Christmas Eve or during the holiday week, then in January there are four weeks again. There will also not be a meeting the first week in February as the Annual Banquet is to be held on Wednesday night, February 4th, 1925. The classes for next term are as follows:

Know Your City—Free.
Arts and Crafts—Free.
Basketry—\$1.00.
China Painting—\$1.50.
Formal Gymnastics—\$1.00.
Aids to Beauty—Free.
Swimming—\$2.00 for 10-dip ticket.
Swimming—\$3.00 for 10-lesson ticket.

The swimming fees include the use of suit, towel and shower. Caps are not provided but are on sale at the "Y."

The Aids to Beauty Class is sure to draw a crowd. This will include talks on manicuring the nails, care of the skin and of the hair. Girls who wish to know how to make themselves more attractive and really more beautiful should not miss this class.

Girls, all of you have probably heard of Bryan Mawr School and the wonderful opportunities which the girl in industry has been given to take advantage of their summer course. Next summer under the sponsorship of the Y. W. C. A., the University of Wisconsin is offering the same opportunity to any industrial girl. It is open to twenty-five or fifty girls at \$100.00 per individual. This includes board and room and private advisors. Of course each girl will have to pay her other expenses. Any girl who is interested in this work can send her application to the Industrial Department of the Y. W. C. A. If there is any girl who would like to go and yet cannot afford it at present, she can borrow from the Educational fund at the Y. W. C. A. the amount she needs to tide her through. There will be no interest charged for this and it can be returned whenever it is possible to do so. As the estimated total is around \$150.00 and is not so easily earned the Federation has offered to help defray the expenses of the lucky girls.

Elex Club Held Short Executive Meeting

A short executive meeting of the Elex Club was held on November 18th, at which time the resignations of Francis Hoevel, social chairman, and Theresa Betts, the council representative, were accepted. Marie Grothouse was appointed social chairman, and Dorothy Cole succeeded Marie as publicity chairman. Several girls were nominated for council representative, and they will be voted upon at the next regular business meeting.

"Advertisement Party" Was a Grand Success

The "Advertisement Party" which was given Tuesday evening, November 18th, in Building 16-2, by the Elex Club was a success. All members of the club were invited and were asked to dress as advertisements. There was "Aunt Jemima" of pancake fame, "Karo" syrup, "Mary Wayne" noted chocolates, "Mazola Corn Syrup," two fairies from the Fairy Soap boxes, "Morton's Salt" girl, two flavors of "CW Brand Extracts," G-E Monogram, "Say It With Flowers" advertisement, the "Red Crown" king, or rather queen in this case, of gasoline, and scores of others. The following girls won prizes for their costumes: Anna Mathias and Bessie Smith, dressed as "CW Brand Extracts," were awarded prizes for the most clever costumes. "Aunt Jemima," who was really Celeste Beeker, received a prize for the most comical costume, and Georgia Frienstein was given the prize for the least popular costume, she being dressed as "Mary Wayne." Flora Berger received the prize for guessing the advertisements the girls were representing. After the games were played refreshments were served.

House-Warming at New Home of Mrs. Helen Hays

The girls in the Field Department, Building 4-4, motored to the new home of Mrs. Helen Hays the first part of November. Here they had a house-warming which was a total surprise to Mrs. Hays, formerly Miss Helen Krieter of the Field Department. This new home is in Waynedale. Those who enjoyed the evening besides Mr. and Mrs. Hays were the Misses Martha Scherzinger, Paula Schroeder, Hilda Gehle, Emily Nierman, Luella Tarmon, Edna Tarmon, Lorinda Beyerline, Margaret Patton, Ruth Lytal, Rebecca Sheehan, and Mrs. Vivian Tobias.

Mrs. Katherine Neeb Given Farewell Party

On Wednesday evening, November 26th, the girls of the Pay Roll Department met at the home of Mrs. Raymond Kuhn and gave a farewell party in honor of Mrs. Ervin Neeb (Katherine Neeb) who is soon to leave for Los Angeles, where she will join her husband, who went there some time ago. Mr. and Mrs. Neeb will make their future home in the sunny climate of California. The evening was enjoyed by playing games. Mary Martin, at the piano; Erma Sommers, saxophone, and Dorothy Bolt, vocalist, furnished the music for the occasion. At a late hour a delicious luncheon was served, at which time a beautiful gift was presented to the honor guest by her fellow-employees as a remembrance of her days spent with them in the Pay Roll Department.

Cast of "Red Parasol" Honored with Dinner and Dance

A delightful dinner and dance was given October 30th in the private dining room in Building 16-2 by the employees of the SDA Field Department, Building 4-4, in honor of the cast of the "Red Parasol," a play given on the opening day of the winter noon programs. The honor guests were: Vivian Tobias, Luella Tarmon, Ruth Lytal, Helen Krieter Hays, Anna Buanno, Elizabeth Ehle, Lenora Cupp and Rebecca Sheehan. Others present were: Edna Tarmon, Hilda Neeb, Hilda Gehle, Marillia Scherzinger, Mildred Moore, Bertha Piper, Roxie Miller, Josephine Fisher, Alma Volz, Emily Nierman, Ida Patterson, Margaret Patton, Paula Schroeder, Helen Wilhelm Humbarger, Lorinda Beyerline, Kathryn Huber, Irene Yerman, Lee Cupp, Harold Fisher, Dewight Williams, Theodore Branning and Ella Schaaf.

Luncheon Given in Honor of Miss Fox

Thursday noon, October 30th, six girls from the Meter Inspection Department gave a surprise luncheon in honor of Miss Margaret Fox, who resigned her position in order to join her mother in operating a beauty parlor. The table was tastefully decorated with the season's colors. At each guest's place there was as a favor a small basket filled with nuts. Those who enjoyed this delicious luncheon were the Misses Rebecca Fogwell, Hilda Hockemeyer, Cecil Leaky, Clara Koudrup, Hilda Vergon, Nina Gordon and the honor guest.

KEEPING FIT CONTEST

Standing of Major Departments, November 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	3.12	42.18
2. Meter Department.....	18.15	11.86	34.61
3. Fractional HP Motor.....	22.25	18.14	18.45
4. Decatur	6.81	6.24	8.38
5. Contributing Departments.....	4.78	5.63	17.75
6. Induction Motor	20.12	24.38	—21.20
7. Building and Maintenance.....	11.25	14.38	—21.76
8. Transformer	11.25	16.25	—30.77

Christmas Home Decorations
and Some Christmas Games

"I'm going home for Christmas."

"They're coming home for Christmas."

How universal these joyful refrains! Fortunate, indeed, is the person who has a home at Christmas time and "own people" to welcome or to be welcomed by.

When joy is in the heart, it needs expression. That is why every home should be decorated for Christmas. Words are but words. A home, garlanded with holly and festoons, with light shades in soft reds and greens and the jolly face of Santa Claus beaming here and there is Christmas itself.

In the room pictured above, narrow paper festoons are draped along the wall and to the festoons are tied wreaths and bells cut from decorated crepe paper and mounted on cardboard. The lamp shade is made from crepe paper of Christmas design.

When you haven't a fireplace one is easily built for the occasion by stretching brick crepe paper over a cardboard frame.

Festoon balls make charming little mantel trees. To form these, gather one-half the length of a festoon through the center. Roll tightly together and tie through the middle with spool wire. Spread out the fringed ends until ball is formed.

Let Santa's face beam from the clock. Time is forgotten when happiness reigns.

Christmas Games

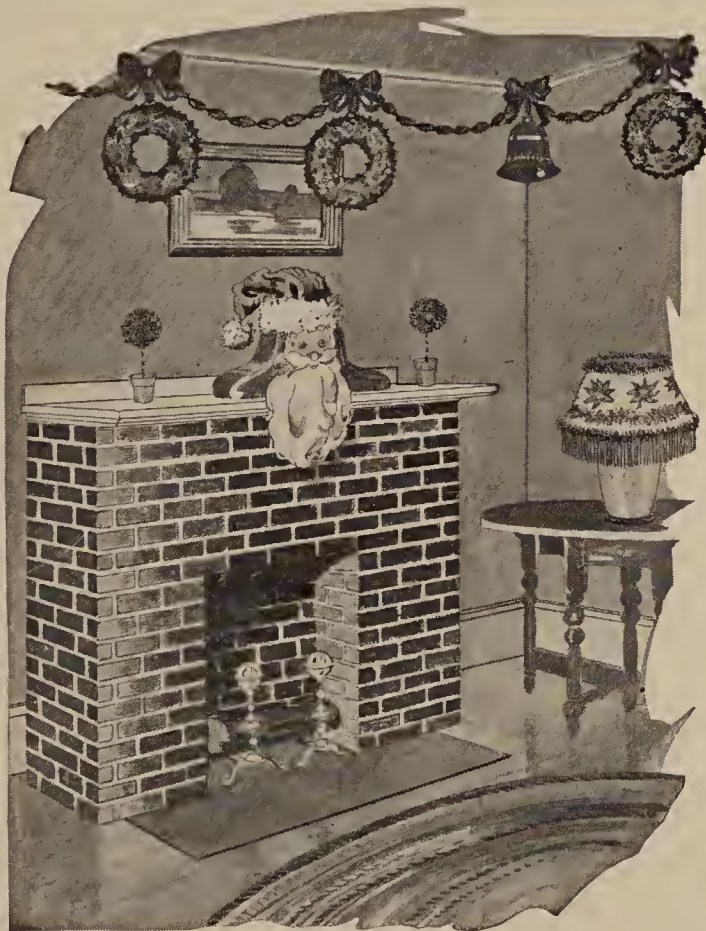
In the afternoon when young folks are tired of sitting still, then is the time for a few games. Following are some suggestions:

Blowing the Christmas Candle

Divide into two teams, members of each lining up in a straight line. At far end of the room a bright red Christmas candle

is placed on a table, one table and one candle for each line.

The first one in each line is blindfolded, is led up to the table, turned around three times, and then told to blow out the candle. As soon as he has succeeded, he may take off the blinder and run back to his line, where he puts the blinder in the next player's eyes, leads him up to



the table, turns him around three times, and tells him to blow out the candle which has been relighted in the meanwhile. This continues until all the players have blown out the Christmas candle, but all the time they are in competition with the players of the other team, who are similarly occupied and similarly handicapped.

The winning team is the one all of whose members first blow out the candle. This may sound easy. In the turning around process Billy has become so confused that he almost blows the piano over

before he realizes that perhaps he is not facing in the right direction!

Hidden Gifts

Each one is given a card which will bear directions leading to another card, which will bear directions leading to another card, ad infinitum. The last card of each guest's set of cards is not a card but a gift.

The Bell Game

Decorate the cards on which these questions are written with bell Christmas seals. Leave space to write in the answers.

1. What bell is used in a blacksmith's shop? Bellows.
2. What bell often describes the attitude of one nation to another? Belligerent.
3. About what bell did Poe write a poem? Annabel Lee.
4. What is a well-known bell in Ireland? Belfast.
5. What bell was connected with telephone inventions? Alexander Graham Bell.
6. What was the name of an ancient Babylonian bell? Belshazzar.
7. What bell is sold by the druggist? Belladonna.
8. What bell is sold by stationers? Label.
9. What bell had a lot to do with the discovery of America? Isabel.
10. What bell is a famous playwright? Belasco.

On account of the serious illness of her mother, Mrs. Irene Worman, of Building 19-5, resigned her position here and will remain at home to take care of her mother.

Miss Frances Hoevel resigned on November the 8th. She was employed in Building 19-4.

Mrs. Fern Burris, of Building 19-5, expects to be absent from her duties for several weeks on account of the serious illness of her mother.





The world's biggest coal saver



On this machine is a name plate bearing the monogram of the General Electric Company — the same monogram that is on the little motors that run labor-saving household machines for you. This monogram is more than a trade mark; the letters G-E are the initials of a friend.

This is the largest hydro-electric generator in the world; one of three new giants installed by the Niagara Falls Power Company. Two million people share in the increased electric light and power supplied by these great generators.

Each of these machines will save the equivalent of 700,000 tons of coal a year.

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines

FORT WAYNE WORKS NEWS



Vol. 9

January, 1925

No. 1



1924

The year 1924 has passed into history and while the results at the Fort Wayne Works on the whole were fairly satisfactory, it is to be hoped that 1925 will bring greater activity and enable us to return to a full-time schedule in all departments and reinstate those of our employees who were laid off during the past six months.

For the year just closed the shipments from Fort Wayne and Decatur totaled approximately \$15,000,000 factory billings of all kinds of apparatus and supplies, which is slightly less than the output of 1923 and about twenty per cent less than the record of 1920. The capacity of the Works is approximately \$23,000,000 annually, so that the activity in 1924 averaged sixty-five per cent of the maximum.

Notwithstanding this rather unsatisfactory condition the Fort Wayne Works fared better than some of the other factories of the Company, where the lack of orders and production necessitated drastic reductions in the working forces.

At the beginning of the year we employed about 4,595 people on full time, while within the last few months this has been reduced to 4,070 employees, most of whom are on five days per week. The total payroll for the year was close to \$6,000,000, an average of approximately \$115,000 per week.

The unfilled orders on hand are less than at the beginning of 1924, but forecasts of future business made by our commercial departments, as well as the quickening of activity in other industries, seem to indicate a gradual improvement in 1925.

A plant of this size and character has certain fixed charges, such as depreciation, taxes, insurance, group life insurance, etc., which remain practically constant and which must be met regardless of the activity of the plant. It is essential therefore that we exercise the strictest economy and avoid diligently any unnecessary waste and expenditure.

I take this opportunity to thank all the employees for the fine spirit of loyalty and co-operation with which they have met the trying conditions of the past year and to hope that the coming year will bring prosperity to us all.

WALTER S GOLL.

A. A. Potter, Dean of Engineering at Purdue, Discusses Problems and Tendencies in Education

Address Made Before December Meeting Local Section A. I. E. E.

[Dean Potter, an engineer of distinction and at one time connected with the General Electric Company, has for the past twenty years specialized in education work. Before coming to our state school, Purdue, he served as Dean of Engineering at Kansas Agricultural and Mechanical College. During the war he was Regional Director of Student Army Training Corps Work, and in 1922 represented the engineering branch of educators at the National Educational Conference. Today, in addition to his position as Dean of the Engineering Schools at Purdue, he is President of the National Society for the Promotion of Engineering Education, which is making an exhaustive study of engineering training throughout the world with a view toward improving our methods of training in the U. S. A. As the Dean's talk here was on the broad subject of education in general, we are planning to run it serially in this and following issues of WORKS NEWS. We believe it worth anyone's time to read what the Dean has to say on this subject.—Editor.]

THE growth in the density of our population has gone on simultaneously with a more general appreciation of the value of education. While some are of the opinion that educational advantages should be limited to meet the needs of aristocracy of brains and others

feel that higher learning should be restricted to those who do not differ from them in social standing, by far the large majority of us are not in favor of restricting education to any class defined by accident of birth. Most of us feel that the doors of the educational institutions should be open to all who seek knowledge or who can be benefited directly or indirectly by more schooling. A true democracy means that all people have not only the necessities of life but also such educational equipment as will enable them to enjoy the higher things in life.

Americans, more than any other people, consider education an integral part of a democratic government but are to an increasing extent becoming critical of the rising cost of modern education. The public has a right to know as to whether the improvements in our schools and colleges are justifying the constantly increasing cost of education. Are the results worth the increased expenditure?

The increased cost of modern education

is partly justified by the greater enrollment in our schools. Taking the high schools alone: the enrollment in these schools has increased from 300,000 in 1890 to 2,100,000 in 1922, or from eight per cent to thirty per cent of our total school population. The enrollment in higher educational institutions has also been increasing at an enormous rate. It must also be realized that industrial development has been accompanied by constantly increasing demands for new forms of education which necessitate the teaching of a great variety of new subjects. This tendency to include new subjects in the curricula of our schools has benefited society by changing many of the humble vocations of a generation ago into highly respected occupations and professions. Furthermore, an increase in the cost of education is justified if the aims of education are worthy. Most Americans are glad to pay increased amounts for education if our schools and colleges are turning out men and women who are an asset to our civilization.

There is a greater realization at present than ever before that the mental and moral discipline formerly belonging to the home has to be supplied by formal education. In the days past when the wants of men were few, when the necessities of life were supplied by hand labor, when the home was the educational center as well as the social and industrial center, the independence of the individual made his education of no concern to the public. The interdependence of modern life and the difficulty of keeping our industrial organization and our social structure properly balanced makes the future of our country dependent upon the type of education our young people are receiving in our schools and colleges.

While the elimination of waste is as important in connection with education as it is in industry, much of this will be overlooked by the public if our schools and colleges are supplying to the youth of the country the mental and moral discipline so essential in a democracy. The public is glad to spend constantly increasing amounts of money for education if the aim of our educational system is to develop men and women who have sterling

(Continued on page 11)

Modern Arc Welding as Applied to Transformer Tanks

ON the front cover of this issue of the Works News is pictured the automatic arc welding of a type WSO transformer tank. Tanks of this type are for transformers used in the distribution of current for ordinary lighting and power. For many years these tanks were made from cast iron. Some time ago the transformer engineers, recognizing the high cost and other undesirable features of a cast iron tank, undertook to develop a sheet steel tank that would answer the purpose better and at less cost. This, of course, involved welding and especially electric welding because of its economy over gas welding.

About the time this all welded sheet steel tank was being developed there was also being developed at Schenectady a device for automatically maintaining a metallic electrode arc. This is a very wonderful machine and is capable of striking, maintaining the arc and feeding the

wire in metallic electrode welding far better than the average human operator. In ordinary metallic arc welding an arc is struck between the work to be welded and the end of a steel wire which is held in a special holder. This is done by the operator bringing the end of the wire in contact with the work and then quickly withdrawing it a short distance. The current jumps across the gap to form an electric arc, which is intensely hot. Some of the heat developed melts a small area of the work and some melts the end of the wire and this molten metal from the wire is deposited on the molten area of the work to produce a weld. As the wire melts away it must be fed slowly toward the work to maintain a suitable arc gap and it is this feeding of the wire to hold a proper welding arc that requires weeks and months of practice on the part of the operator to acquire that degree of skill

(Continued on page 12)

Electric Drill Motor Presents Many Unusual Problems

In Little Ultra High Speed Motor Mechanical Accuracy Is Important Factor

By E. B. George and Wayne Morrill,
Engineers Fractional Horsepower
Motor Department

HOW many of our readers have ever noticed the workman seated on a rude cushion in the street patiently working a lever backward and forward? A bit closer inspection reveals a drill in an "old man" or "come along." An "old man" is a sort of a three-legged device or frame clamping over a rail or girder and supporting a twist drill and ratchet. A screw feeds the drill and the back and forth motion of the workman revolves the drill through a partial revolution, the cutting edge of the drill advancing correspondingly. "How slow" and "how stupid" you say, yet for years and years this was the only method of drilling a hole through a piece of steel out on the job.

Now comes electricity to the issue. By means of the electric drill motor a new source of power is available. This little motor consisting of an armature two inches in diameter, with core stacking two inches long, a commutator one and a half inches in diameter by three-quarter inches in length, the whole properly wound, connected and assembled in a wound field, with brushes and brush mechanism and a proper casing or housing, including reduction gears and a drill chuck, will deliver an output of more than one-half horsepower and stands ready to do the workman's bidding at the pressure of the switch. The hole in the rail or girder is drilled in the "twinkling of an eye." The task of the workman with the "old man" and ratchet requiring half an hour is done with an electric drill in a minute or a minute and a half—a marvelous saving in time. You perhaps never thought of the comparison before.

Equally amazing with this performance of work are some of the facts concerning this little motor which is built in countless numbers in our factory. If a fly were to light on the armature and retain his hold he would travel at the unbelievable rate of 8,000 feet per minute or approximately one and one-half miles in that time. If he were to try the same feat by lighting on the commutator he would travel slightly over a mile per minute and pass the brushes about 32,000 times per minute.

What does this mean? It means that the little brushes which bear on the commutator are required to slide over the surface of the commutator at the rate of more than a mile per minute and yet their task is not complete with the duty of one minute or ten minutes but they must successfully stand up under this condition for from 500 to 1,000 hours.

What about the forces involved in this

little rotating demon armature? The copper in the commutator bars weighs approximately one-third of a pound per cubic inch. Let us consider one of the bars in the commutator. It weighs approximately .0139 pounds. It revolves about the axis of the shaft 16,000 times per minute. Imagine our friend the fly sitting in position of the center of the shaft with a string about the commutator bar twirling it over his head at the rate of 16,000 times per minute or 266.6 times per second. The outward pull on the string would be fifteen pounds.

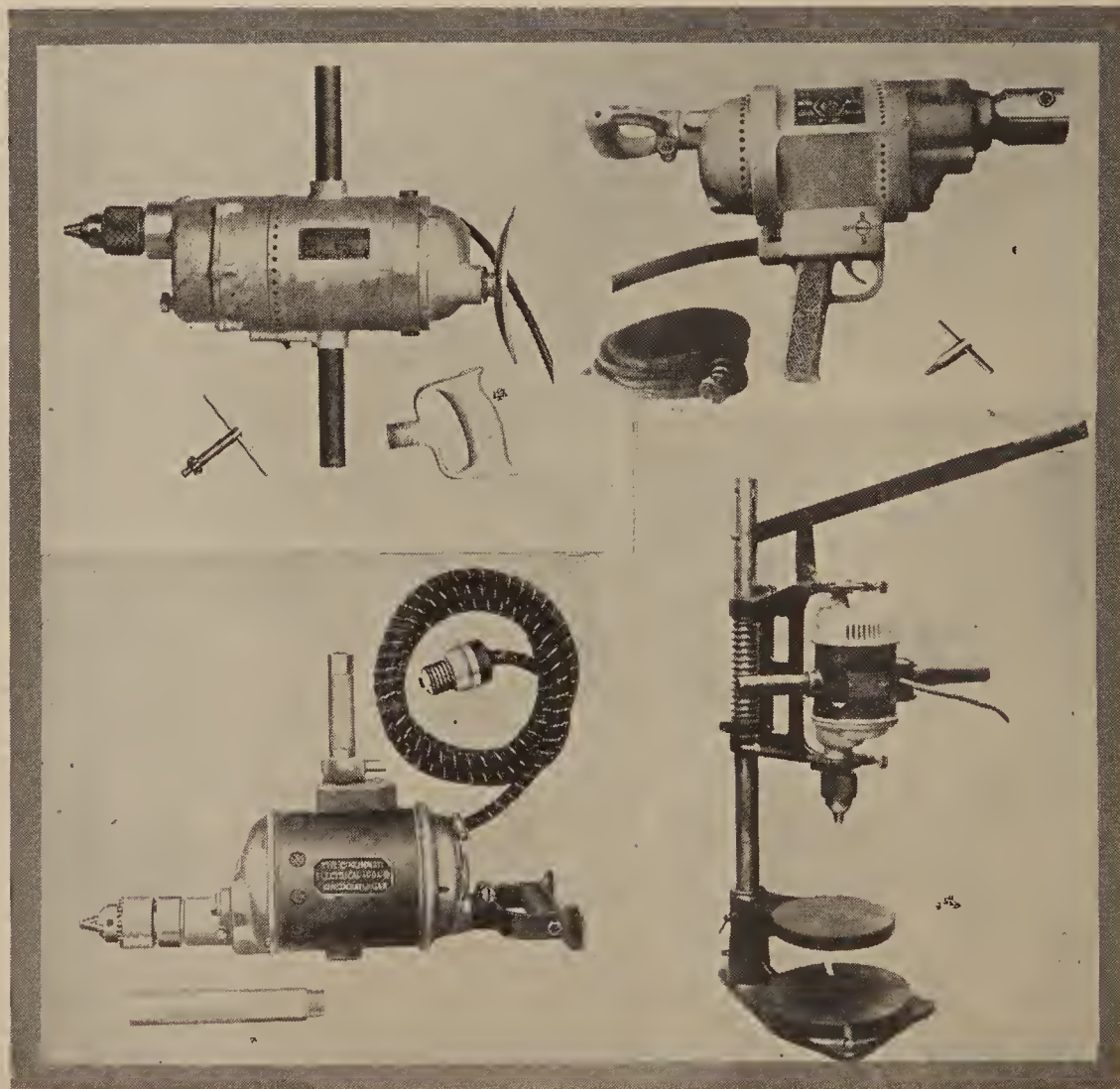
Fifteen pounds pull is therefore required to retain the bar in the grooves by which it is held in place at each end. These grooves are insulated with mica, otherwise the current traversing the intricate paths through the windings would become short-circuited and the slightest short-circuit would cause the motor to fail in its duty. The area or surface of mica per bar withstanding this pressure is .019 square inches. The pressure exerted per square

inch is 770 pounds or that of a column of water one-third of a mile in height.

The same calculation applied to a bundle of wire on the end of the armature winding, measuring $\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ " or one-eighth cubic inches in volume traveling 16,000 turns per minute would give 131 pounds total, or 524 pounds per square inch, and this outward or technically known centrifugal force corresponds to that of a water column 1,210 feet in height or approximately one-quarter of a mile in height. This is the crushing strength on the insulation of the winding.

The force exerted in the air gap or clearance between the armature and the magnetic field in which it works is approximately five pounds per square inch. In properly centered armatures this force on one side is counter-balanced by an equal force diametrically opposite. If, however, the air gap which is normally .015" on each side is made eccentric by poor assembly or machining so that it is .010" out of center or almost touching on one side and giving an air gap of .025" on the opposite side, the unbalanced force becomes fifty-five pounds and this must be withstood by the bearings.

The pressure on each bearing is therefore 27.5 pounds greater than necessary because of this eccentricity or improper centering of the armature. This excessive bearing pressure is obviously sufficient to materially interfere with good oiling of



REPRESENTATIVE DRILLS USING G-E DRILL MOTOR

the bearing surface for such high pressure will squeeze the oil out of the bearing clearances, causing the shaft to ride heavily on the bearings which under such conditions will soon wear down sufficiently to permit the armature to rub on the field, and burn out the motor.

That this matter of good lubrication is important may be seen from the fact that while the motor has a short life in comparison to slower speed motors, due to the high speed of the armature the total mileage traversed by a point on the armature during the average life of the motor is 75,000 miles or a distance equal to three times around the earth.

With these tremendous forces involved in the drill motor the necessity of careful and accurate workmanship is apparent. It is a wonderfully efficient and faithful servant when properly constructed but an eternal source of trouble if workmanship is faulty. Knowing a bit more about our little friend—the work it is capable of and is called upon to do and the hardship under which it labors, let us give it an even break by starting it out right.



LUTHER MOTZ

Luther Motz Latest Apprentice Graduate

Luther Motz graduated from our Machinist and Tool-Maker course, November 10, 1924. He received three months' credit for doing good work in both shop and school and was also rewarded a one hundred dollar (\$100.00) bonus.

Mr. Motz is a Fort Wayne boy. He attended the St. John's Lutheran school for eight years and followed this by two years at the Vocational High School, coming from the latter to take up the course he has just completed.

Mr. Motz is at present working in the Apprentice Department, but he will be transferred in a very short time to one of our tool-making departments.

A MESSAGE FROM PRESIDENT SWOPE

I think we can look back upon the year 1924 with satisfaction. The shops have built and shipped more apparatus than ever before in our history, and have given better service to our customers. The engineering organization has made improvement in designs, bettered efficiencies, and, in general, improved the quality of our apparatus. The commercial organization in its relations with the public has maintained a high ethical standard and carried forward the traditions for which the Company has always stood. All other departments have co-operated in bringing about a result in which each of us can take a measure of satisfaction, because we know that we are proceeding along progressive and constructive lines.

We can look forward with optimism to the year 1925, which should be a good business year in general and for the General Electric Company as well.

To each and every one of the employees of the General Electric Company I cordially wish a Happy and Healthful New Year.

GERARD SWOPE, President.

Vice-President Francis C. Pratt Succeeds Mr. Emmons in Charge of Manufacturing

FRANCIS C. PRATT, vice-president in charge of engineering, has been appointed to succeed George E. Emmons, who resigned recently, as vice-president in charge of manufacturing and chairman of the Manufacturing Committee. Mr. Pratt will retain his former duties, and so becomes vice-president in charge of engineering and manufacturing.

At the same time that this announcement was made it was announced that H. F. T. Erben had been appointed assistant vice-president on the staff of Mr. Pratt. Mr. Erben retains his position as vice-chairman of the Manufacturing Committee.

As his engineering assistant Mr. Pratt will have E. W. Allen, who was appointed to the position of manager of the engineering department in April, 1924.

Mr. Pratt, who was graduated from the Sheffield Scientific School of Yale University with the degree of Ph. D., in 1888, was born in Hartford, Conn., January 19, 1867. In 1890 he entered the plant of the Pratt and Whitney Company at Hartford, of which concern his father was president. He left this concern in 1906, having risen to the position of vice-president, and became associated with the General Electric Company as assistant to E. W. Rice, Jr. In 1912 he was appointed assistant to the president, and in

1919 became vice-president in charge of engineering.

Mr. Erben has been associated with the Company since its early days in Schenectady. In October, 1887, he entered the employ of the Edison Machine Works. He later became designing engineer of the direct current department of the Company. In 1914 Mr. Erben was made engineer of the Schenectady Works and in March, 1916, he was appointed assistant works manager. In 1920, following Mr. Emmons' retirement as works manager, Mr. Erben took this position which he held until January 1, 1923. He is a charter member of the Quarter Century Club and a graduate of Stevens Institute. He was born in New York City in 1866.

Mr. Allen was born in Buchanan, Va., in 1880 and graduated from Virginia Polytechnic Institute in 1900. He entered the test department during the following year and in 1902 was assigned to the lighting engineering department where he remained until 1911, when he was appointed engineer of the Chicago district. Two years later he assumed the duties of assistant district manager in addition to his other work. Early in 1917 he entered the military service and served two years. He returned to the Company in April, 1919, and received his appointment as manager of the engineering department in April, 1924.

A Tribute to Vice-President Emmons and Sketch of His Service with the G-E

[The December WORKS NEWS carried the announcement of President Swope, that Vice-President G. E. Emmons had asked to be relieved of the responsibilities of his position and that the Board of Directors had acceded to his request. Mr. Emmons has been on many occasions an official visitor at our Fort Wayne Works and we believe our readers will be interested in the following tribute to him, and the short sketch of his connections with the General Electric Company.—Editor.]

THERE is no pomp in industry. The retiring marshal of an army, his tunic covered with decorations, may march out between rows of soldiers standing at "present arms" while the bands play and the officers salute.

But when a man leaves industry, be he high or low, he simply leaves, and that is all.

Were George E. Emmons to walk from the lower end of the Schenectady Works up Works Avenue to the main gate on the day he says good-bye to the plant into which he has built so much of himself in the years of a busy lifetime, there would be no lines of overall-uniformed soldiers of industry to stand in line. Factories are not conducted that way.

Yet inside the shops there would be a great number who, if they knew he were passing, would, though they continued at their work, give him a salute of the heart.

"Square!" is the word that men who have worked with and known George Emmons for years have applied to him.

They might have truthfully said more; they do say more. But that alone is a tribute which, in the case of an industrial executive, is equivalent to a cross of the Legion of Honor or the insignia of a chivalric order in other walks of life.

Shopmen do not award it to any whom they find unworthy; and it takes years, sometimes, to convince them that the man to whom they accord it is worthy.

The title "the little feller," as he is known to some, has no reference to either his brain or his heart. Big enough to hold one of the most important positions of the kind in the country, he has been big enough not to think that a man's worth is measured by the clothes he wears or the position he holds. Not what a man does, but how he does it, has been his criterion. He has grown with the growth of the Company and with the increased duties and responsibilities it has brought him, but he has never grown beyond the men with whom he has worked. Today, as for many yesterdays, scores of them are still, to him, "Bill" and "Jim" and "John."

The Works will go on without him. The wheels have their work to do regardless of men and the passing of men. Yet, so long as they turn, their very turning will be reminiscent of the one who was so largely responsible for their being set and kept in motion.

In the crypt of St. Paul's Cathedral in London is the sarcophagus of the builder

of the edifice. On it is the line in Latin: "If you seek his monument, look around you."

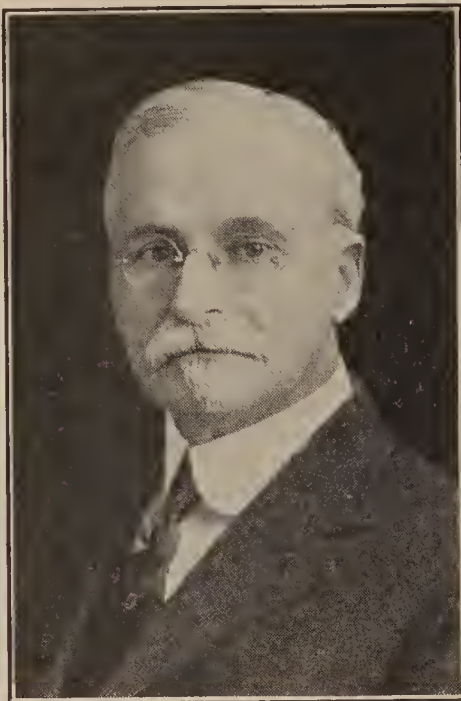
On a tablet somewhere in the heart of the Schenectady Works might well be George E. Emmon's name, with that one line.

And so long as any of the old-timers were left to look toward it as they passed by, there would be those to add:

"He was square."

Mr. Emmon's Service With the G-E

Only a few men now living have been as intimately connected with the electrical



GEORGE E. EMMONS

industry since its beginning as Mr. Emmons. He has seen the industry develop from a few small workshops, manned by men whose courage was undimmed by manifold discouragements, to its present position as one of the basic industries of the country.

With Prof. Elihu Thomson and E. W. Rice, Jr., he worked in the little plant of the American Electric Company, at New Britain, Conn. It was a small building, of only 40,000 square feet floor space, yet when they considered leasing the whole building they decided not to do so because they felt they could never use it all.

Mr. Emmons started there as a book-keeper. He had no technical training. He was born in Westchester, Conn., September 9, 1857, and went to work in a country general store after receiving a common school education. It was in 1881 that he became connected with the American Electric Company, which was merged with the Edison General Electric Company in 1892, to form the General Electric Company.

He left the American Electric Company in 1892, but in 1896 became connected with the Thomson Houston Electric Company, of Lynn, and since that time has

been continuously employed by that Company and the General Electric Company.

Mr. Emmons was appointed manager of the Lynn Works in 1893, and the next year came to Schenectady as assistant manager of the Schenectady Works. A year later he was appointed manager, which position he held for twenty-five years. In 1913 Mr. Emmons was appointed chairman of the Manufacturing Committee, and in 1916 he became vice-president in charge of manufacturing. In addition to his other duties Mr. Emmons is president of the G-E Employee's Securities Corporation and is an officer of several banks, realty associations and other organizations.

Board of Directors Spends Day at Pittsfield Works

POSSIBLY it was the lure of the glorious Berkshire hills in the fall which gave the Pittsfield Works the opportunity of being host to the Board of Directors of the Company at a recent meeting.

If such was the case the members of the Board will have to revisit the Berkshires, for they found too much of interest at the plant to spend time inspecting the wonderful country which surrounds it.

Starting with a business meeting in the William Stanley Library, at 8:30 a. m., the members of the Board put in a busy day. Following the business session they were conducted through the plant by Works Manager C. C. Chesney and several of the engineers.

That they were interested in what they saw, which included the famous million volt demonstration, the manufacture of transformers, current limiting reactors and static condensers, is attested by the accompanying informal pictures. It will be noted that in every case they are either discussing something which they have just seen, or are intently watching something which is going on.

Those attending the meeting were Gordon Abbott, Boston; Oliver Ames, Boston; Anson W. Burchard, New York; Charles A. Coffin, New York; George P. Gardner, Boston; Francis L. Higginson, Boston; Jesse R. Lovejoy, Schenectady; Dwight W. Morrow, New York; Robert Treat Paine, 2nd, Boston; Seward Prosser, New York; E. Wilbur Rice, Jr., New York; Philip Stockton, Boston; Gerard Swope, New York, and Burton G. Tremain, Cleveland. W. W. Trench acted as secretary of the Board.

The picturesque Dutch windmill is reported to be giving way to more modern forms of power production, notably the electric motor. It is understood that the pumping of water from the dykes in times of flood is now being performed by motors in many sections of Holland.

San Francisco has been termed the stronghold of the Chinese hand laundry. Yet there is in that city a most efficient electrically operated laundry equipped with a complete line of electric machinery.



THE BOARD OF DIRECTORS

Right to left: Charles A. Coffin, Robert Treat Paine, 2nd, Oliver Ames, Gordon Abbott, Burton G. Tremaine, Gerard Swope, Jesse R. Lovejoy, George P. Gardner, Seward Prosser, Anson W. Burchard, Dwight W. Morrow, E. Wilbur Rice, Jr., Francis L. Higginson, Jr., Philip Stockton, W. W. Trench, assistant secretary



President Swope in earnest conversation with Dwight W. Morrow. To the left is Robert Treat Paine, 2nd



Seward Prosser appears impressed with the explanation given by E. W. Rice, Jr. To the right is George P. Gardner



B. G. Tremaine nearly left the guide behind



Left to right: Seward Prosser, E. Wilbur Rice, Jr., Robert Treat Paine, 2nd, George P. Gardner, and Jesse R. Lovejoy



George P. Gardner and Vice-President Lovejoy

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll Chairman
E. A. Barnes R. F. Harding

X. J. Divens Editor
Alvin Konow Distribution

SECTION EDITORS

V. J. Hockett Industrial Service
R. F. Smith Safety
Helen Fuhrman Girls' Department
Wade Reed (G-E A. A.) Athletics
Verena Miller Decatur Works

REPORTORIAL STAFF

S. C. Newlin Electro-Technic Club
Alma Olson Elex Club
Carrol Blincoe Apprentice Association
Fred Duryee Foreman's Association
Fred Duryee Volunteer Fire Department
Perry Shober Band
E. Hall Quarter Century Club
Edward Witte Mutual Benefit Association
G. G. Stock Apprentice Alumni Association
L. O. Adams G-E Squares
Irene Fox Absent Employees

Vol. 9 January, 1925 No. 1

THE passing of a truly great leader is a loss not only to those with whom he was most closely associated, but to humanity as a whole. So it was that men and women in every walk of life, and in many lands, joined with organized labor in paying tribute to the memory of Samuel Gompers who, for so many years, guided the destiny of the American Federation of Labor. Mr. Gompers held the respect not only of his own people but of all with whom he dealt as the highest representative of organized labor in this country.

Among those who paid tribute to this man who, coming to this country as an almost penniless immigrant, raised himself to the position of first in command among labor leaders, were President Gerard Swope and Owen D. Young, Chairman of the Board. Both Mr. Swope and Mr. Young accepted invitations to act as honorary pallbearers at Mr. Gompers' funeral, and attended the services at the Elks' Club, in New York City.

Mr. Gompers died in San Antonio, Texas, on Saturday, December 10th. He was buried at Sleepy Hollow, Tarrytown, N. Y.

The Members of the
G. E. Volunteer Fire Department

Wish You

A HAPPY NEW YEAR

and Hope That the Spirit of
Fire Prevention
May Prevail Throughout the
New Year

Unseen Particles—In One Scene

Several times during the course of any day the following dialogue may be heard in the Medical Department:

Doctor: "You seem to be having eye trouble this morning. Did you get something in your eye?"

Patient: "I don't know; but I didn't sleep a wink last night."

Doctor, (examining eye): "You have a particle imbedded tightly in the eyeball. When and how did you get it?"

Patient: "I didn't know I had one; yesterday I felt something hit my eye, but I rubbed it a little and it felt all right, so I didn't pay any more attention to it. It didn't bother me until I went to bed last night and tried to close my eyes, and then, oh boy!"

Doctor: "It's too bad to have to disturb so much of the delicate surface of your eyeball, but you see after these metal particles remain in the eye for any length of time a ring of rust forms, entirely circling the particle; these have to be removed separately and of course leave a hole of no small size on the surface; and they surely are tough ones to get out. (Now hold that eye still!) Of course you don't feel anything much now because I have this eye 'asleep' but in about an hour, look out! Of course, you'll have to treat this the rest of the day, as we can't run the risk of getting infection in this eye wound. If you had come in yesterday you could have stayed on the job, and would have been a night's sleep ahead."

The patient leaves with eye drops, instructions and a good forgetter.

The doctor philosophizes about as follows:

Cause: Failure to give due credit to a tiny particle, and report to the Medical Department at once.

Results:

1. A sore eye.
2. A sore doctor.
3. A sore foreman, for several reasons.
4. A least one day away from work.
5. A scar on the eyeball and blurred vision for several days.
6. A half dozen record cards plus someone's time to fill them out.
7. The M. B. A. gets a look in.
8. An idle machine.

(We will assume that you are lucky, and stop enumerating; if you are unlucky the list must be extended).

Remedy: When you feel something hit you in the eye and you are sure it is out, just play that it isn't out, chuck your hands in your pocket instead of in your eyes and saunter down to the Medical Department; then you'll have someone else to blame if you lose a night's sleep.

Moral: Little particles—(excuse me, please; you finish it; here comes another "Unseen Particle," just twenty-four hours old).

Largest Award of Month Won by Miss Clara Wagner

The Committee on Suggestions announces the following awards made on suggestions up to December 23rd:

Miss Clara Wagner, Building 4-5, an award of \$15 on a suggestion to clean certain RSA armature leads on the lead cleaning machine. Previously this work was done by hand, which was a rather slow process.

Adolph Sommers, Building 6-2, a \$10 award on a rack for holding parcel post sacks in the Shipping Department. Mr. Sommers has also built numerous other small devices to aid in the work of the Shipping Department.

L. F. Didier, Building 19-5, a \$10 award on a new style moulded bakelite connection block for the motor on the M-9 demand meters.

E. J. Bobay, Building 27, Welding Department, a \$10 award on a new method of spacing holes for drilling type C transformer bases.

Miss Geraldine Carles, Building 4-2, a \$10 award on a suggestion to eliminate the excessive distribution of manufacturing instruction sheets issued to Fr. H.P. Motor Departments.

C. A. Day, an award of \$5 on a brake for the drum for holding steel banding wire while respooling. Mr. Day is not in our employ at present and a check was sent him for the amount of the award.

James E. Nelson, Building 26-1, a \$5 award on some improvements to the tension device of the transformer iron welding machine in Building 26-1.

Stephen S. More, Building 19-1, an award of \$5 on a loose jaw spanner wrench for use on the shafts of large machines such as induction motors.

A. H. Brandenburger, Building 19-1, an award of \$5 on a suggestion to install large handles on the north platform doors of Building 19-1.

Lester Hubortt, Building 4-5, a \$5 award on a guard for the speed testing machine used in the Inspection Department, Building 4-5.

Ralph C. Hageman, Building 4-5, a \$5 award on a method of constructing a guard used for grinding frame 236 and 246 armatures in Building 4-5.

Group Life Insurance

Deaths Reported for October, 1924

Employee	Died	Beneficiary
<i>Schnectady</i>		
Thomas J. Galina.....	Sept. 24	Sister
Marcus W. Krum.....	June 14	Son
Julius Heinbokel.....	Sept. 25	Daughter
Wm. J. Barclay.....	Sept. 27	Wife
Geo. W. Scidmore.....	Sept. 29	Wife
Lena Galaise.....	Sept. 21	Mother
Shepherd T. Fonda.....	Oct. 6	Wife
Alesio Dicoccio.....	Oct. 9	Wife
Daniel Kerr.....	Oct. 11	Estate
Jacob H. Schermerhorn.....	Oct. 11	Wife
Mitchell K. Jacobs.....	Oct. 17	Wife
Imre Travnick.....	Mar. 18	Daughter
Wooster B. Curtiss.....	Sept. 27	Wife
<i>River Works</i>		
Michael C. Mulcahy.....	Oct. 1	Wife
Walter G. Thurnquist.....	Oct. 8	Wife
<i>West Lynn Works</i>		
Martin J. Coyne.....	Sept. 23	Mother

Fort Wayne Works

Wm. E. Hess.....Aug. 31 Wife
John O'Brien.....Sept. 22 Wife

Erie Works

Andrew Slagter.....Oct. 11 Wife

Bloomfield

Ernest H. Minehardt.....Aug. 30 Daughter

Philadelphia

Robert Holt.....Oct. 8 Mother
Total—21 deaths.....\$26,300

DEATHS REPORTED FOR NOVEMBER, 1924

Employee	Died	Beneficiary
<i>Schenectady</i>		
Wm. J. Coughlin.....	June 17	Son
Dominick De Santis.....	Oct. 19	Children
Henry P. Moore.....	Oct. 29	Wife
Carl D. Fenton.....	Nov. 1	Wife
Frank J. Ernest.....	Nov. 1	Wife
Harriet E. Biggart.....	Nov. 6	Daughter
Chas. S. Dubois.....	Nov. 13	Mother
<i>River Works</i>		
Timothy Keefe.....	Nov. 4	Sister
Vinnie Snell.....	Oct. 14	Son
Rice D. Cook.....	Nov. 8	Wife
Samuel Elliott.....	Nov. 10	Wife
Helen F. Casey.....	Nov. 17	Mother
<i>West Lynn Works</i>		
Chas. E. Halliday.....	Oct. 25	Wife
<i>Pittsfield</i>		
Franklin R. Capen.....	Oct. 28	Wife
Artie J. Sample.....	Nov. 11	Wife
<i>Fort Wayne</i>		
Wm. J. Wurtle.....	Nov. 3	Wife
<i>Erie</i>		
Henry F. Hull.....	Nov. 9	Wife
<i>Baltimore</i>		
John B. Young.....	Oct. 12	Sister
Total—18 deaths.....		\$23,650

Elex Christmas Party Held at Y. W. C. A.

One of the most successful events on the Elex social calendar for 1924 was the Christmas party held at the Y. W. C. A. on December 17th, when seventy jolly girls, with Mr. and Mrs. E. A. Barnes and Mrs. W. J. Hockett as their guests, gathered to enjoy themselves.

After the Elex supper, Mrs. Harry Hogan entertained us in her sweetly dramatic way with Dickens' "Scourge's Christmas," which everyone enjoyed.

Next was the Christmas tree with loads of presents and dear old Santa Claus, who distributed them to the girls who had been good. Much talent was displayed by the girls who had to dance, whistle or sing for their presents.

Bunco was then played and prizes were awarded to the Misses Gertrude Wallhousen and Marie Blaugh.

The peanut contest was pleasing as it afforded a delicious repast. Miss Edna Sarazen and Mrs. Ferne Burris were winners of the prizes in this event.

Dancing completed the evening's entertainment and everyone departed with many "Merry Christmas" wishes.



CHARLES F. HITZEMAN

Charles F. Hitzeman Joins Quarter Century Club

The latest addition to the membership of the local Quarter Century Club is Charles F. Hitzeman, head of the Fractional Horsepower Motor Cost Section. Mr. Hitzeman joined the forces of General Electric when he was about twenty-five years of age, November 6, 1899, being given on the records as the exact date at which he took employment as a clerk in the old shop office. At that time the pay roll and cost accounting were both done in what was known as the shop office. When the cost work was segregated Mr. Hitzeman was assigned to the cost section and since then has specialized in fractional horsepower motor costs. For several years Mr. Hitzeman has been head of the fractional horsepower motor cost section, which rather recently was moved into new quarters, with the Fractional Horsepower Motor Production and Planning Departments, on the second floor of Building 3.

Donald Thomas Heads Apprentices for New Year

The regular monthly business meeting and annual election of officers of the Apprentice Association took place Monday, December 1, 1924, and the following men were selected for the year 1925:

For President—Donald Thomas.
Vice-President—Wm. Irwin.
Secretary—L. Ray Paulson.
Treasurer—Robert Neeb.

A committee for selection of a play was excused and a new committee consisting of Cecil Lombardo, chairman; Kenneth Crabill, Paul Breimeier, Howard Davis and Milton Kline was appointed to arrange for an indoor carnival to be put on soon after the holidays. Several new members were enrolled at this meeting, which was the best attended session for several months.

General Electric Review Offered to Employees For \$1.50, One- Half Regular Subscription Price

SOME people look upon the General Electric Company as engineers, some consider the Company as manufacturers, others view the Company as a collection of scientists, while those located in big cities and who can see only our commercial representatives, look on the Company as a great merchandising organization.

This article is to point out another phase of the Company—that as a publisher of accurate and ahead-of-the-times technical information.

Aside from the bulletins which are published, and in addition to the Works News, the Monogram, the Electrical Merchandiser, and other publications, the best known publication outside of the General Electric Company is The General Electric Review.

Engineers of great power plants in the Rocky Mountains and in the Himalaya Mountains; the technical directors selling Yankee machinery in China and England; the men in charge of electric shops of big electric railways; college professors in engineering universities throughout the world; operating engineers of steam plants—these are typical of the thousands of subscribers to this technical publication.

If a discovery is made in the Research

Laboratory in Schenectady, Lynn, Cleveland or Harrison, Pittsfield or other works, some new principle has been applied in the design of machinery, electric motors, lightning arresters, turbine generators, and any of the other products made by the General Electric Company—you will find it written up in the General Electric Review—first!

And when it comes to a survey of a year's progress in electrical engineering, the article by John Liston in the January number, for the past fourteen years, is a handbook of electrical progress, second to none. This has been translated into many different languages in years past, and in 1924 practically every foreman of all the factories of the General Electric Company received a reprint of this annual survey.

Employees can obtain this magazine for \$1.50 a year—just one-half of the regular rate.

The subscribers outside of the General Electric Company pay \$3.00 a year for this monthly magazine.

If you want to know more about the wonderful industry in which you are employed, and if you care to get a better grasp of the principles underlying the machines which you help to make, or sell, if you want to keep abreast with the first rank of thinkers along the electrical lines fill out the blank on page 15 and mail to the General Electric Review office, Schenectady, New York.

Twenty-four Local Men of Over Thirty-five Years' Service

Four Additional Men on Retired List Who Came Here More Than Thirty-five Years Ago.

On December 17th John E. Hall, the well-known secretary of the local Quarter Century Club, happened to mention in passing that such day was the thirty-fifth anniversary of his taking employment with the General Electric. The story grew

NAME—		DATE EMPLOYED
E. A. Barnes	General Superintendent	April 1, 1886
W. G. Beman	Night Watchman	October 1, 1889
Wm. Brennan	Machinist, Building 17-1	September 17, 1889
Richard Engleking	Helper, Building 17-4	November 17, 1889
Frank Fisher	Machinist, Building 17-1	October 16, 1889
A. L. Hadley	Head of Apparatus Engineering	November 11, 1889
R. F. Harding	Supervisor of Order and Stores Department	May 17, 1888
J. E. Hall	Supervisor Blueprint Stations and Dispatchers	December 17, 1889
John Kiess	Shipping Department, Building 6-2	November 1, 1884
W. P. Kindt	Order and Stores Department, Building 6-3	March 12, 1889
Fred Kiefhaber	Inspector, Building 2-2	November 13, 1888
W. G. Miller	Foreman Trans. Dept., Building 26-2	July 1, 1885
E. F. McLaughlin	Trans. Dept., Building 26-2	January 18, 1889
W. J. Murphy	Inspector, Building 2-2	September 23, 1888
Samuel Parker	Watchman	May 6, 1889
Wm. Raidy	Helper, Building 10-2	September 16, 1887
C. S. Rehner	Assistant Foreman, Building 2-2	October 6, 1885
Herman Rehm	Field Coil Department, Building 2-2	August 6, 1885
Stewart Rehner	Armature Winding Department, Building 19-2	February 22, 1888
Sylvester Richards	Inspector Meter Department, Building 26-4	July 30, 1889
Adolph Strube	Mechanical Instructor, Building 26-4	January 17, 1888
W. H. Schultz	Assistant Foreman, Building 17-1	October 5, 1884
George Wood	Tester, Building 17-1	December 20, 1882
James J. Wood	Consulting Engineer	January 22, 1877

Besides the above we find the following men who joined our company more than thirty-five years ago, but who are now retired from active service:

Fred Miller	Formerly of Building 10	July 17, 1887
Samuel Brownsberger	Formerly of Building 3	July 10, 1889
John N. Kress	Formerly of Building 12	November 17, 1889
M. S. Willson	Formerly of Building 18	October 12, 1885

Latest News From Our Absent Employees

Miss Lola Amstutz, an employee in the Small Motor Department, Building 4-5, is confined to her home at 2115 South Hanna street. Lola is nursing a fracture of the leg sustained while on a visit to Chicago recently. We hope that her recovery may be rapid so that she may soon be able to return to work. Her presence is greatly missed in the department in which she is employed.

Miss Bernice Shultz, employed in the Radio Department, Building 26-3, is quite ill and has been removed to the Lutheran hospital recently to take treatments for goitre. All her friends hope that an operation may not be necessary, but if it is they as earnestly hope that her recovery may be speedy.

Thomas Stuart, of Building 10-3, is still confined to his home on Stophlet street following an operation. The latest report from his home is that he is getting along fairly well and is hoping to be back on the job in a very short time.

John Mullen is confined to his home at 609 Taylor street. Mr. Mullen has been sick for the past two months, suffering from stomach trouble. Some of the men who are working with Mr. Mullen and who pay him occasional visits say that he is getting alone fine, and is in hopes of returning to work soon. We hope that this may be, and that it will not be long until John is able to be with us again.

from this passing remark and many interesting personal experiences of the early days were recounted by Mr. Hall. Unhappily these were not taken down. However, cold type would fail to do justice to the interesting way in which Mr. Hall tells of these experiences, so we will leave this part with the suggestion that you get the stories direct from Mr. Hall.

Our interview with Mr. Hall lead to the question as to how many local employees there might be that had served here at least thirty-five years. Mr. Hall consulted his records and this is what they show:

Mr. Mullen is employed in the Sand Blast Department, Building 19-B.

Miss Vera Scheurich, an employee in the Transformer Department, is quite ill at her home in Payne, Ohio. Vera has been suffering for the past two months with lung fever, but the latest word from her home is that she is coming along fine and is in hopes of returning to work soon. These are fine reports, Vera. Everyone will be delighted to see you again with us.

Miss Irma Broxon, of Building 26-3, is reported recovering from an operation for appendicitis. Irma was a patient at the St. Joseph hospital for some time, but has recently been removed to her home. Irma lives at 314 Brackenridge and a call from some of her co-workers will be greatly appreciated.

Miss Mary Boylan, an employee in Building 10-3, is confined to her home at 829 East Wayne street, suffering from stomach trouble. Mary took sick while she was staying home taking care of her mother, who has been ill also. We hope that your mother has fully recovered, Mary, and that you are feeling better, so that you will be able to return to work and be one of us again.

Bayless Swift is confined to his home at 927 Eckart street, suffering from boils. Mr. Swift has been absent for the past three months, but the latest report from the personnel representative is that he is slowly recovering and expects to return to work soon. He is employed in Building 10-3.

Apprentice Alumni Bowling Tournament

The Apprentince Alumni held a doubles bowling tournament at St. Paul's hall, Tuesday evening, December 9th at 8 o'clock. Twenty members participated in the event and those twenty members surely had a wonderful time. Edward Ehrman won the prize for high single game with a count of 203. Karl Geller took the prize for the highest number of strikes when he spilled them all twelve times. Bernard B. Byanski and Henry Wittber divided the prize for most splits, each having five double-pinochles to his credit. Ed Knock and Joe Miles won the prize for high score, three games, with a total of 971, while C. F. Roembke and Henry Klingenger took the second money with a 936 total. E. Byanski and H. Wittber had to be content with the low score prize, due to the fact that they rolled only 715.

Following are the scores for each member present:

			Total
R. Kierspe	134	125	116
E. Ehrman	169	165	203
C. Hildebrand	151	137	159
J. Lare	93	96	101
R. Bracht	127	139	145
E. G. Stock	132	150	139
J. Franke, Jr.	180	133	123
E. Sauerwein (Gus)	127	128	120
H. Snider	102	180	101
C. W. Hale	112	102	141
H. Siebold	130	156	152
K. Geller	106	160	200
H. Klingenger	140	169	152
C. F. Roembke	169	133	173
Ed. Knock	161	170	155
Joe Miles	146	178	161
R. Clark	139	165	139
C. Bracht	146	90	118
B. Byanski	126	97	149
H. Wittber	119	123	101

The next event on the Apprentice Alumni program will be a stag party in Building 16-2 on Wednesday evening, January 7, 1925. This meeting was originally scheduled for December, but was postponed to a later date on account of the bowling tournament and the holidays.

The annual meeting of the association will be held in Elex Club rooms, Tuesday evening, January 20th, at 6:30 p. m. The features of this meeting will be a banquet and announcements of the results of the election of officers. Elections in the Alumni Association are held by letter ballot. Following are the candidates:

For President and Vice-President—Paul Burt, Al Dickmeyer, C. Willard Hale and Lester Stauch.

For Secretary-Treasurer—Leonard Roebel and Delbert Roloff.

For Board of Directors—Virgil Asher, Walter Greiner, Raymond Kierspe, Ed Knock, Ed Krull, Elmer Sauerwein, Herbert Siebold and Lloyd Welbaum.

Following the banquet and business meeting a talk will be given. The remainder of the evening will be devoted to entertainment.

Interesting Relationship Between Power, Pay, Prices and Prosperity

Discussed in Article by C. M. Ripley

SINCE 1882 the price of American electrical lamps has been reduced from \$1.25 to 27 cents. The price of a ten-horsepower electric machine has been reduced from \$680 to \$137 since 1880. And the cost of electric light is one-twelfth of what it was then. That is why, year after year, we see a larger use of electricity in American industries.

The Charmed Circle

Look at the seven-gear wheels in the picture. Working together, they form a marvellous mechanism.

The workers of hand and brain in electrical manufacturing companies design, build and sell apparatus that is efficient. (This is wheel No. 1).

Because the power plants use the latest electrical apparatus, they obtain a lower cost of electricity for use in industry. (Wheel No. 2).

Because of this low cost of power and machinery, the factories now use more electricity. They even employ electricity in processes never before electrified, such as welding and metal smelting. (Wheel No. 3).

This combined with automatic machinery makes the modern factory more efficient, and that means greater output per worker. (Wheel No. 4).

Because of the greater output, it was possible to adopt the eight-hour day or pay more to the worker or both, and it was also possible for the manufacturer to sell the products at lower prices. (Wheel No. 5).

Because of the higher pay, people have more to spend; and because of the lower prices, people can buy more commodities of every kind, such as shoes, clothing, fur-

niture, automobiles, houses, lamps, food, etc. (Wheel No. 6).

And that means prosperity. So it is power and machinery that makes national prosperity, if no one throws a monkey-wrench into the machinery. (Wheel No. 7).

Old vs. New

Let us consider two factories making the same product:

One built and equipped in 1900, but with no new machinery added since.

One built in 1924 and fitted out with the latest tools, machines, with electric drive, electric welding, etc.

Practically everyone will agree that the factory with the old tools, and the old machines and the old time power (even though kept in perfect repair) could not turn out as many products as the up-to-date factory could. So it would be the least prosperous.

That isn't all.

The company which fails to use the latest mechanical improvements—the company which is still in the 1900 class from an engineering standpoint—is likely to go bankrupt.

Why is this so?

Because the more alert and up-to-date competitor can reduce prices and get the business away from less progressive concerns. That is the working of the law of "the survival of the fittest."

Wherever you see high wages you find steam and electric power driven machinery; and wherever you find no power-driven machinery you find low wages.

Large factory pay envelopes do not depend on a generous employer.

The eight-hour day does not depend on a kind-hearted boss.

The determining factor is power—and modern machinery.

So those working in the electrical industry are helping to increase prosperity and to free the human race from dull drudgery. They are helping to elevate labor to a higher standard of dignity, as well as a higher standard of living.

Tendencies in Education

(Continued from page 3)

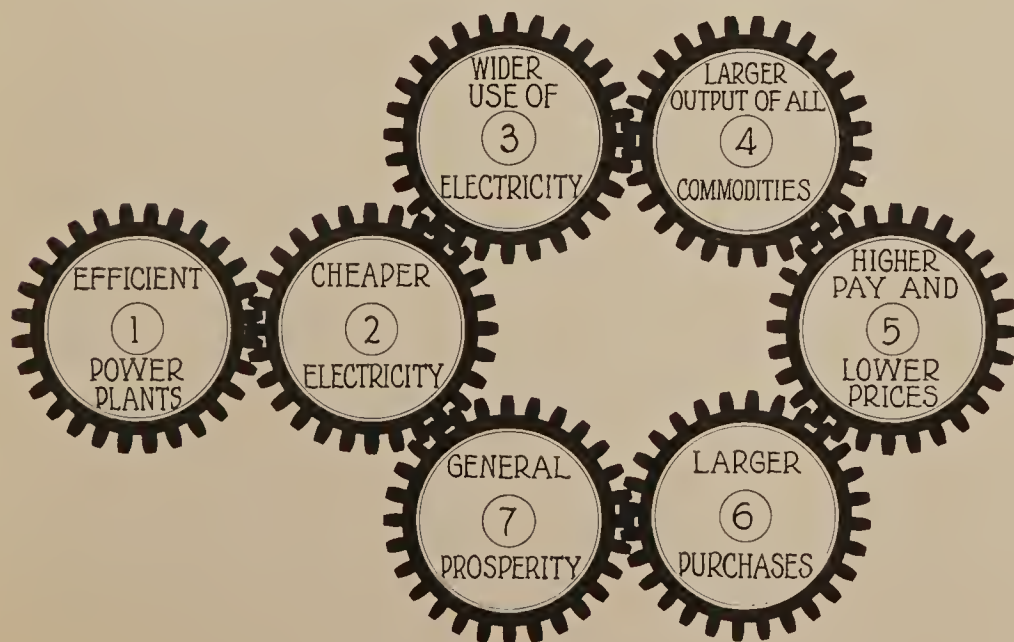
qualities of character, who can think clearly and correctly, who are useful, who have good personalities, and who have capacity for unselfish service to society.

The stability of society depends upon the qualities and character of the people. *Are our schools and colleges giving sufficient attention to character building?* While some nations claim that the thing we care for most in the United States of America is money, the truth is that there are no people on earth who attach so much significance to character as we do in this country. No matter how capable or how efficient a person may be, his advancement in business or profession and his standing in his community in the U. S. A. will be greatly affected if he is not positively moral, reliable and clean.

Character has been defined as a bundle of habits. The teacher's example in this regard has a marked effect upon the student's character. A teacher who is sincere, accurate, conscientious, absolutely honest, industrious and dependable will inspire similar qualities on the part of his students. Since character can best be taught by example are we insisting that teachers should possess the highest qualities of character and should have the talent to inspire in their students the development of outstanding virtues? Would it not be desirable for each teacher to spend some time in his classes upon discussions which have a direct bearing upon character building? Formal lectures or sermons on such subjects are of little value, but short talks by teachers in connection with the subject of their specialty will make a lasting impression upon their students. In connection with such talks use can be made of the outstanding personal qualities of great men and of experiences or incidents which tend to bring out the importance of correct habits and of proper ethics in dealing with our fellow-men. The master teacher should have no difficulty in impressing his students with the fact that knowledge is of no value to a person unless he is trusted and respected by his fellow-men.

Next to character building the public expects our schools and colleges to develop the intelligence of our men and women so that they have the ability to think and to express themselves in a clear, logical and correct manner. Education is produced by two processes: providing a background of knowledge and the training of the mind. The latter is by far the most important. A school which stuffs people's minds with

THE MECHANISM OF AMERICAN BUSINESS DEPENDS ON EFFICIENT POWER PLANTS



facts alone will do very little to develop their intelligence or to teach them how to use knowledge. Are our schools developing memory at the expense of reasoning power? Are we not teaching too much? It is doubtful whether the superficial acquaintance with many subjects is as valuable as the thorough mastery of a few things. Are our schools trying to teach something about everything and not much about anything? It is quality and not quantity of production which counts in education. We are constantly adding to our curricula new subjects and our students are expecting to have courses in everything. Is not the acquisition of knowledge of secondary importance in education? Society needs men and women who can think independently and not as taught, as the progress of civilization depends upon creative thinkers; also leaders in industry are usually not of the storage battery kind but of the dynamo type. Are we awakening the inventive and creative genius of our boys and girls? Do not our curricula include too many informational studies and is it not a fact that we could develop greater self-reliance among our students if we limited our teaching to subjects which the students cannot acquire by his own efforts? Too few realize that the object of education is not to impart information so that people will become depositories of knowledge but to train the mind. A certain European professor used to tell his students that the university is a mental gymnasium and not a brain restaurant. Our students must be impressed with the fact that the well-trained mind can be acquired only by a process of self-development and can be retained only if one is constantly willing to exercise it.

It is not enough that our students should be accurately informed unless they can accurately communicate their knowledge to others.

The proper type of education should develop in our young people a capacity to think and to express themselves in a clear, concise, logical and correct manner, as well as the ability to understand and to correctly interpret the ideas of others.

(To be continued)

It was forty-five years on October 21 since the memorable day in 1879 when Thomas A. Edison sat beside a table in his laboratory at Menlo Park, N. J., and watched his first successful electric incandescent lamp burn for forty hours.

"We just sat and looked," Edison has written, describing the experience. "And the lamp continued to burn, and the longer it burned, the more fascinated we were. None of us could go to bed, and there was no sleep for over forty hours. We sat and just watched it, with anxiety and growing elation."

Dr. John M. Thomas, president of Pennsylvania State College, calls for the electrification of the bucksaw on the farm. "When the boy can let the 'juice' do the work and can spend his time in operations requiring brain power," he declared, "the farm will become more attractive."



NEW OFFICERS FOREMEN'S CLUB

(Standing): H. S. Andress, Wm. Buuck, Hans Anderson. (Seated): Fred Schafemaker, Treas.; H. J. Muldoon, Pres.; Otto Brunner, Sec.

Foremen's Association Elects New Officers

A Turkey Dinner Features Last Meeting Under Old Officers of the Club

At their November 26th meeting the Foremen's Association elected its officers for the current year. The election resulted in the choice of the following men: H. S. Muldoon, president; H. Anderson, Wm. Buuck and H. Andress, vice-presidents; O. Brunner, secretary; F. Schafemaker, treasurer. There were four complete tickets in the field and great interest entered into the election. A feature of the campaign was a typical campaign speech staged by Phil Monninger, a professional comedian, as instructions to the various candidates as to how an effective campaign speech should be made. Some of the candidates followed Mr. Monninger's instructions and made very able speeches, but some counted on the vote-pulling power of pre-election cigars. The counting of the ballots, however, gave a decisive victory for the candidates mentioned above.

Yes, if you were wondering about it, the foremen did have a dinner preceding the election of officers. It being the Thanksgiving season, an elaborate turkey dinner was served. Following the dinner B. J. Griswold favored the club with his educational and entertaining talk on the subject, "Fort Wayne, One Hundred Years Ago." Lloyd Grosvenor and Paul Spiegel, with violin and piano respectively, gave several musical selections, which also were very much appreciated by the foremen and guests.

The scheduled date for a December meeting falling so near the holiday season, was passed up, leaving a clear field for the new officers to prepare something particularly good for their first, the January meeting of the club.

Modern Arc Welding

(Continued from page 3)

and control necessary to do good welding.

By means of suitable relays and contactors, the automatic welding head does all the things the human operator does. When the machine operator presses the "start" button the welding head feeds the wire toward the work until they touch or short circuit; the motor then reverses and pulls the wire away from the work which starts the arc and the motor again reverses to the original rotation and maintains the arc by feeding the wire at the proper rate. All this is done automatically and with much more exactness and uniformity than the human operator.

In the welding of transformer tanks, arrangements are provided for clamping the tank so the seam to be welded is properly joined and placed with reference to the welding head. Means are provided for moving either the tank or the welding head in such manner that the seam is continuously welded.

The picture shows Paul Brown, leading operator on the automatic welding machines, operating one of the machines to weld the circular seam which joins the shell and the pressed steel top of a transformer tank.

Six of these welding machines are installed in the tank shop in Building 27, under E. J. Meyers, foreman and Carl Bobay, assistant foreman in charge of welding. The machines carrying the welding heads and the clamping fixtures and chucks for properly holding the tanks were designed and built at the Fort Wayne Works. These machines are recognized all over the country as exceedingly good examples of the application of automatic arc welding to this class of work and reflect considerable credit on everyone who helped to develop them.

MUTUAL BENEFIT ASSOCIATION OFFICERS FOR YEAR 1925

Sec. Chairman	Loca.	Tel.	Vice-Chairman	Loca.	Tel.	Secretary-Treasurer	Loca.	Tel.
1 J. W. Crise.....	18-2	26	H. C. Brudi.....	18-2	167	Dorothy Hormel.....	18-1	100
2 John Kramer.....	4-2	391	Newton Poland.....	4-2	363	Homer Roehm.....	4-2	363
3 F. G. Fleming.....	10-3	271	G. Thiele.....	12-2	272	Raymond Puff.....	10-3	308
4 Walter Horman.....	17-2	212	H. Stevenson.....	17-2	212	Frank Rathert.....	17-2	212
5 J. H. Byrer.....	6-3	234	W. S. Fitch.....	6-2	131	F. F. Wilson.....	6-2	265
6 James Graham.....	4-5	319	Ray Dotzer.....	4-5	319	Alice Aiken.....	4-5	319
7 F. J. Schwartzkopf.....	26-1	237	Michael Brown.....	26-B	330	Geo. Heller.....	26-1	259
8 H. L. Bastian.....	26-2	154	Fred Banks.....	8-1	377	W. W. James.....	26-2	329
9 R. Bengs.....	26-5	395	J. Littlejohn.....	26-5	395	Joe Miles.....	26-5	395
10 Wm. Miller.....	19-1	216	Geo. Snyder.....	19-B	216	Forest Somers.....	19-B	216
11 R. M. Fox.....	19-3	331	N. O. Leedy.....	19-3	128	Noah Baker.....	19-3	399
12 Harry Zimmerman.....	19-5	230	Clifford Witham.....	19-4	385	Helen Snyder.....	19-5	228
13 G. F. Rogge.....	2-3	241	Walter Reilly.....	2-1	225	Fred Paul.....	2-3	241
14 Chas. Brenner.....	17-1	268	Martin Macke.....	13-C	278	N. G. Prince.....	8-2	270
15 Harry H. Beltz.....	17-3	273	Chas. Schild.....	17-4	260	G. E. Oberlin.....	17-3	273
16 S. C. Newlin.....	3-3	2	Edith Beecher.....	3-3	156	Gladys Binkley.....	3-3	307
17 Carl Rehling.....	19-5	280	John Wagner.....	19-5	224	Mina Cleverly.....	19-4	262
18 E. Schoenlein.....	26-4	285	D. Daniels.....	26-4	285	Edward Bowser.....	26-4	409
19 H. Kramer.....	19-2	419	M. Evers.....	19-2	419	L. D. Meader.....	19-2	419
20 Harry Parker.....	4-1	358	C. Boyce.....	4-1	300	E. Glusenkamp.....	4-1	309
21 J. James.....	6-2	151	F. Kinsey.....	6-1	233	Alma Olson.....	6-1	365
22 Cash Lutz.....	Decatur		Adam Schaefer.....	Decatur		Esther McIntosh.....	Decatur	
23 A. G. Edington.....	19-5	282	H. H. Clayton.....	19-5	246	W. W. Winner.....	19-5	118
24 Harry Grim.....	26-3	339	Robert Duryea.....	26-3	339	Mildred Krider.....	26-3	339
25 Thomas Roberts.....	26-5	205	Wilbur Stocks.....	26-5	205	Alice Whitaker.....	26-5	217
26 C. A. Hartman.....	4-4	362	Martha Scherzinger.....	4-4	362	Argo Vegalues.....	4-4	384
27 Chas. Baxter.....	Decatur		Fred Engle.....	Decatur		Verena Miller.....	Decatur	
28 H. C. Lepper.....	27	193	E. J. Meyers.....	27	412	M. F. Morkoetter.....	27	412
29 E. K. Spiker.....	18-4	74	E. C. Reese.....	17-4	173	John Felmlee.....	18-5	101
31 Frank Quinn.....	4-3	206	F. Kimball.....	4-3	288	B. M. Kline.....	4-3	289

Big Crowd Attended

First E. T. C. Dance

Next Dance to Be a Special Valentine Dance Given in February

The first E. T. C. dance of the season proved a big success, both from the attendance standpoint and from the standpoint of a wonderfully good time. It was given at Trier's Minuet and the hall had been beautifully decorated for the occasion. At most of the time during the evening from three to four hundred couples could be found on the floor, so that dancing space was somewhat at a premium. The crowd, however, was very good natured and everybody enjoyed the fun.

E. C. Foley, the chairman of the Entertainment Committee, had secured a traveling orchestra, "Galbraiths' Aces," of Muncie, for this affair, and its special numbers pleased the crowd of dancers. There is no doubt that this orchestra merits its reputation of being one of the best dance orchestras in the middle west.

Chairman Foley announces that the second E. T. C. dance will be held about February 12th, and probably at the "Winter Garden." This will be a special Valentine dance with favors for all the guests. Due notice of the final arrangements will be given in the press and on the plant bulletin boards.

Decatur Works Section

Dinner and Gift Exchange
Feature Gecode Meeting

On December 17th, the members of the Gecode Club were delightfully entertained with a supper which was given at the plant. The Misses Billy Hendricks and Olive Merriman did the catering for the evening. After the supper the girls enjoyed a Christmas exchange in which each girl received a beautiful gift.

Girls' Basketball Team
Have Supper Together

On November 22nd the girls of the basketball team were delightfully entertained at a banquet. Miss Dora Hendricks was appointed toastmistress for the occasion. Miss Agnes Sellmeyer, the team coach, was an invited guest. The table was beautifully decorated in keeping with the holiday colors. A bouquet of holly formed the centerpiece. After the banquet the girls held a Christmas exchange.

Those present were the Misses Dora Hendricks, Agnes Sellmeyer, Leona Leach, Billy Hendricks, Inez Parrish, Margaret Meyers, Olive Merriman, Mary Hill, Mariam Meyers and Verena Miller.

Recent Decatur Bride

Given Shower

On November 1st Miss Alvina Dibble and William Lindeman went to Ashland, Ohio, to enjoy a week's vacation. While enjoying this vacation they were secretly married. Announcement of their marriage, however, was not made until Thanksgiving Day, while they were guests at the wedding of Mr. Lindeman's sister.

Mrs. Lindeman is employed in the Winding Department at the Decatur Works. She also is an active member of the Gecode Club and in past years has played center on the girls' basketball team. Mr. Lindeman is employed as inspector under C. C. Langston, and also takes an active part in basketball, this season filling the position of forward.

The girls of the Winding Department and office on December 16th surprised Alvina with a shower at her rooms on Monroe street. Miss Olive Merriman and Mrs. Ulva Templin arranged the shower and Alvina received many beautiful and useful gifts. Alvina's mother was a guest at this affair.

Decatur Firemen Have
Rabbit Supper

On November 24th the firemen enjoyed a rabbit supper given at the plant. According to the plans each member was to bring a rabbit, or pay fifty cents for his supper. However, if supper had been

wholly prepared from rabbits that the members contributed, it is said that the firemen would have been poorly fed.

ATHLETICS

G-E A. A.

Banquet Given to Members of G-E Baseball Teams

In recognition of the efforts of the athletes who represented the G-E upon the diamond this summer a banquet was tendered in Building 16-2 on the night of December 2nd, sponsored by the G-E Recreational Foundation Committee. Members of the champion G-E Y. M. C. A. Industrial League team, the girls' baseball team, and the G-E semi-professional team, together with Mr. Evans, Mr. Barnes, Mr. Simpson, and a number of department heads, made up the list of guests, about fifty in all.

J. H. Evans spoke in the place of Mr. Goll, who was unable to attend, on the subject of "Athletics in Industry." Back in the early days Mr. Evans took an active part in athletics, playing on the office team in the first inter-departmental games on record. And today Mr. Evans is a very ardent fan.

Miss Hilda Walda and Miss La Vera Vail spoke on "Girls in Athletics," stressing the point that the benefits derived from athletics should encourage a greater number of girls to participate in sports. Both speakers expressed the gratitude of the girls for the interest the Company has shown in fostering athletics among the girls. J. F. Blakeley gave a short talk on the value of horseshoe pitching, explaining in detail the importance of science in throwing the shoes.

W. J. Hockett defined the relation of athletics to industrial service and briefly described the policy of the Company toward athletics.

F. A. Thompson, manager of the Y. M. C. A. team, presented to Mr. Barnes the trophies won by that team. He also acted as spokesman for members of the teams in presenting Mr. Barnes with a Gladstone bag, in their appreciation of the active part he has taken in the promotion of athletics in the plant.

Mr. Barnes accepted the trophies and bag, replying that both would be highly prized by him. He replied that he was proud of the record the G-E teams had made of their victories as well as their sportsmanship in defeat. He also remarked that it was rarely that a good athlete did not make a good workman. The Company, he said, had done much to further athletics but that it was willing to do even more when our people demonstrate that they want it.

E. L. Simpson, W. F. Melching and J. W. Crise gave short talks, as did members of the different teams. F. G. Duryee acted as toastmaster for the occasion.

Intersectional Basketball League to Start Soon

An Intersection Basketball League will be in evidence again this year as in the past. A six-team league has been organized with Alvin Konow as director and Ed. Koch as assistant director. The teams have been practicing faithfully for the start of the season which will take place early in January. Difficulty in securing a place in which to play has delayed the opening date. The following have been selected as managers of the teams:

Section No.

1. Albert G. Stuck.
2. E. J. Schurenberg.
3. Chester Baumann.
4. Lee Cupp.
5. Ralph Schulp.
6. Wm. Glenn.

G-E Wins and Loses in "Y" Industrial Basketball League

In the opening game of the Y. M. C. A. Industrial Basketball League the G-E five won a closely contested game from the Wayne Tanks, 17-12, by staging an exciting rally in the last few minutes of play. Reynolds led the scoring with three goals from the field and one from the free lane.

In their second game of the schedule, Dudlo nosed out the G-E quintet by the score of 17 to 13, in a thrilling caging battle. The G-E team fought hard, but lacked the added punch that would have brought them victory. Reynolds was again high scorer with three field goals.

Dudlo and Bowser have won both of their games and lead the league at the present time. The standing of the league December 18th was as follows:

Team	Won	Lost	Pct.
Bowser	2	0	1.000
Dudlo	2	0	1.000
General Electric	1	1	.500
Pennsylvania	1	1	.500
Wayne Knit	1	1	.500
Wayne Tank	1	1	.500
Bass	0	2	.000
Horton	0	2	.000

Leonard High Man In Billiard Contest

It was necessary to play off a three-way tie to decide the billiard championship for the month of November. Leonard, Hench and Newlin finished in a tie and a series of games were played from which Leonard emerged the victor. The standing of the players for the month of November was as follows:

Player	Won	Lost	Pct.
Leonard	18	6	.750
Newlin	11	4	.732
Hench	14	6	.700
Doan	10	9	.526
Miller	9	9	.500
Freeman	9	10	.472
Rittenhouse	9	10	.472
Wefel	8	9	.470
Zelt	6	14	.300
Enders	5	13	.277

Bases Maintain Lead in Meter Dept. Bowling League

The Bases, by winning ten of the last twelve games played, remain in the lead in the Meter Department Bowling League. The Covers have retained second place, with the Jewels and Pivots in a tie for third place. Weick, by rolling some good games, went into a tie with Bushing, who has increased his average to 173 for 48 games. Lawrence follows with 171, and Snyder has an average of 169. Weick has high individual score with 267 to his credit, followed by Bushing with 254 and Thompson and C. Rump with 240 each. Weick also has high score of 642 for three games, followed by C. Rump with 618, and Thompson with 616. The standing of the league December 18th was as follows:

Team	Won	Lost	Pct.	Ave.
Bases	34	14	.708	764
Covers	29	19	.604	749
Jewels	24	24	.500	742
Pivots	24	24	.500	737
Terminals	24	24	.500	733
Magnets	23	25	.479	738
Elements	23	25	.479	736
Discs	20	28	.417	716
Seals	20	28	.417	715
Registers	19	29	.396	731

Alpha Phi's Receive Santa Into Their Midst

The Alpha Phi members again had a rousing good time—this occasion being a regular Christmas party with Santa Claus, a Christmas tree, red and green festoons, 'n everything. The party was held on Tuesday evening, December 16, in Building 16-2.

One of the main features of the evening was the dancing, everybody joining in. Music was furnished by the Bon Ton Orchestra. All the old time Christmas carols were sung with zest by everyone.

But when the jingling bells of Santa were heard, all thought of dancing and singing was forgotten and the cries of "We want Santy," were hushed. Not one little boy or girl was missed or disappointed. Harry Daley thought he was going to be missed and tears were already glistening in his eyes when Santa called off his name. Edna Welch received the most impressive (?) gift of all. Ask her for further particulars. The music of the orchestra was drowned out by the sound of a dozen tin horns, mouth-harps, banjos, etc. Paul Spiegel had a delighted look upon his face when he opened his present from Santa. It was a tea set for two (as he said).

After the excitement of receiving the gifts was over, everyone joined in the grand march which finally ended in the dining room, where delightful Christmas refreshments were served.

The whole affair went off with a bang with only one mishap. The cute, little monkey which Santa presented to Miss Kinna mysteriously disappeared and up to this time has not been found.

KEEPING FIT CONTEST

Standing Major Departments December 15, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	4.09	41.42
2. Meter Department	18.15	11.70	35.50
3. Fractional Horsepower Motor	22.25	19.30	15.30
4. Decatur	6.81	6.43	5.57
5. Contributing Department	20.12	23.40	—16.33
6. Induction Motor	4.78	5.84	—22.15
7. Building and Maintenance	11.25	14.04	—24.80
8. Transformer Department	11.25	15.20	—35.10

Many Works Christmas Parties
Held During Pre-Holiday Week

OUTSTANDING among Christmas parties of the city was the big G-E Christmas Tree Party, held especially for the children of G-E employees, on Tuesday night preceding Christmas, in Building 27 of the local Works. Scarcely a detail was left omitted in the preparations for this event, and to say that the program was a treat for both children and parents would be a very conservative statement of the facts. Surely everyone present greatly enjoyed the event.

To begin with the lighted outdoor Christmas tree at the Broadway entrance to the plant greeted the guests of the party, and could be enjoyed by everyone who might pass by. Then the big tree indoors, erected solely for the party, was a wonderful sight for both young and old. The program started with a concert of special music given by Director Verweire and his forty-five-piece G-E band. As always, it was a treat to hear our band play the familiar Christmastime melodies.

A church sexton ringing the Christmas chimes was the first act to be staged. This was followed by the appearance of a vested choir singing well known Christmas songs. Then came the act of the Brownies busily

engaged in making children's toys under the supervision of old Santa Claus, who later distributed candies as the children left for their homes.

Truly it was a big party and a wonderful night, and everyone felt happier for having been there.

Building 4-4 Party

The dinner party of Fractional Horsepower Motor employees of fourth floor, of Building 4, given at noon, December 23rd, was one of the outstanding pre-Christmas parties within the Works, both from the excellence of the appointments and the attendance of the employees. One hundred and sixty of the one hundred and seventy employees of this floor accepted the invitation to join their co-workers at this special dinner in Building 16, and wholeheartedly joined in the singing and the fun. I. H. Freeman, accompanied at the piano by Mrs. Freeman, lead this party in Christmas songs, and Santa Claus in the person of "Butch" Vegalues, gave everyone present a funny little gift.

Building 19-4-5 Party

Employees of the Meter Department, fourth and fifth floors of Building 19, united for their annual Christmas party on the fifth floor of the building, at noon on the 23rd. After music by Lageman's orchestra and short talks by Messrs. Mor-

ganthaler and Snodgrass, Santa Claus appeared with a gift for everyone. This party was easily up to the standard set by previous Christmas parties given by this group.

Building 26-4 Party

Meter Department employees of Building 26-4 held their party in their department at noon on December 24. The whole floor of Building 26 was beautifully decorated for the occasion and a beautiful Christmas tree marked the place for the special events. There was a Santa Claus, much jollyng and in short a royal good time. Practically the whole of the employees of the floor took part in this event.

Building 4-5 Party

Fractional Horsepower Motor employees of Building 4-5 also had a good time together during the noon hour of December 24th. Might few of the one hundred and twenty employees of this floor were missing when the good time started at 12:15 o'clock. An orchestra, composed largely of employees on this floor, furnished some snappy music for the event. The Christmas tree was in evidence and a Santa Claus was presented to distribute presents to every employee on this floor. The fun was scarcely ended when the 1:00 o'clock whistle blew and called these workers back to their machines.

Subscription Blank

GENERAL ELECTRIC REVIEW,
Schenectady, N. Y.

Enclosed find \$1.50 for one year's subscription to the G-E Review.

Name.....

Street Address.....

City.....State.....

Works.....



If father did the washing just once!

If every father did the family washing next Monday there would be an electric washing machine in every home before next Saturday night.



You will find this monogram of the General Electric Company on many devices that take the drudgery out of housework. Look at it closely and remember the letters G-E. They are a symbol of service—the initials of a friend.

For fathers are used to figuring costs. They'd say: "The electricity for a week's washing costs less than a cake of soap. Human time and strength are too precious for work which a machine can do so cheaply and well."

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines

Owning G. E. Employees Securities Corporation Bonds One Method of Preparing for Emergencies of Life

New Issue Now Available

“TAKE unemployment. We have tried to do something as a beginning, as you know, by appropriating \$3,500,000 for the manufacture of standard articles to put in our warehouses for stock. Manufacturing for stock has its limitations. * * *

“But to my mind the best provision for unemployment is good earnings and dependence on the men themselves to put aside something for a rainy day, whether for unemployment, sickness, accident, or other things that come to a man in his life.

“It is hard to save. It is a task for any of us. To help the men save we have tried to provide a safe investment with a higher return than average. You have all been lured, no doubt, by stories that you can make 100 per cent. in a very short time, and some of you have tried it and learned to regret it. The G. E. Employees Securities Corporation is nothing like that.

“ * * * This investment plan was designed for men of lower earnings, and for that reason subscriptions have been limited to \$500 a year. The Company has provided an opportunity for men to save as large a portion of their earnings as possible against the day of retirement or disability.

“Now that, it seems to me, is a constructive way to meet unemployment. We have to rely on the character of the men, and we will do all we can to encourage those schemes of saving.”—
From remarks of President Gerard Swope, before Schenectady Works Council.

It was but a day or two after President Swope made these remarks that a friend of mine tossed a prospectus on my desk with the words,

“You and I heard President Swope the other day. Remember what he said about savings being the best provision



General Electric Company

1925 Offering of G. E. Employees Securities Corporation Bonds

Schenectady, January 15, 1925

*To Employees of
General Electric Company:*

1. Employees of the General Electric Company who on February 28, 1925, will have been in the service of the Company at least six months will be given an opportunity to subscribe during the calendar year 1925 to bonds of the G. E. Employees Securities Corporation upon same terms as heretofore.

2. Subscriptions on forms provided for the purpose (obtainable from foremen or department heads at works, from district auditors, and from the Treasurer at the General Office) will be accepted from employees as follows:

Plan A Deductions from earnings at the rate of \$1 per week (beginning with payroll of March 6, 1925) or \$5 per month (beginning with payroll of February 28, 1925) or such multiples thereof as will enable the subscriber to pay for his bonds in full within one year.

Subscriptions will be received up to and inclusive of February 14, 1925.

Plan B Cash in full.

Subscriptions will be accepted at any time during the year 1925.

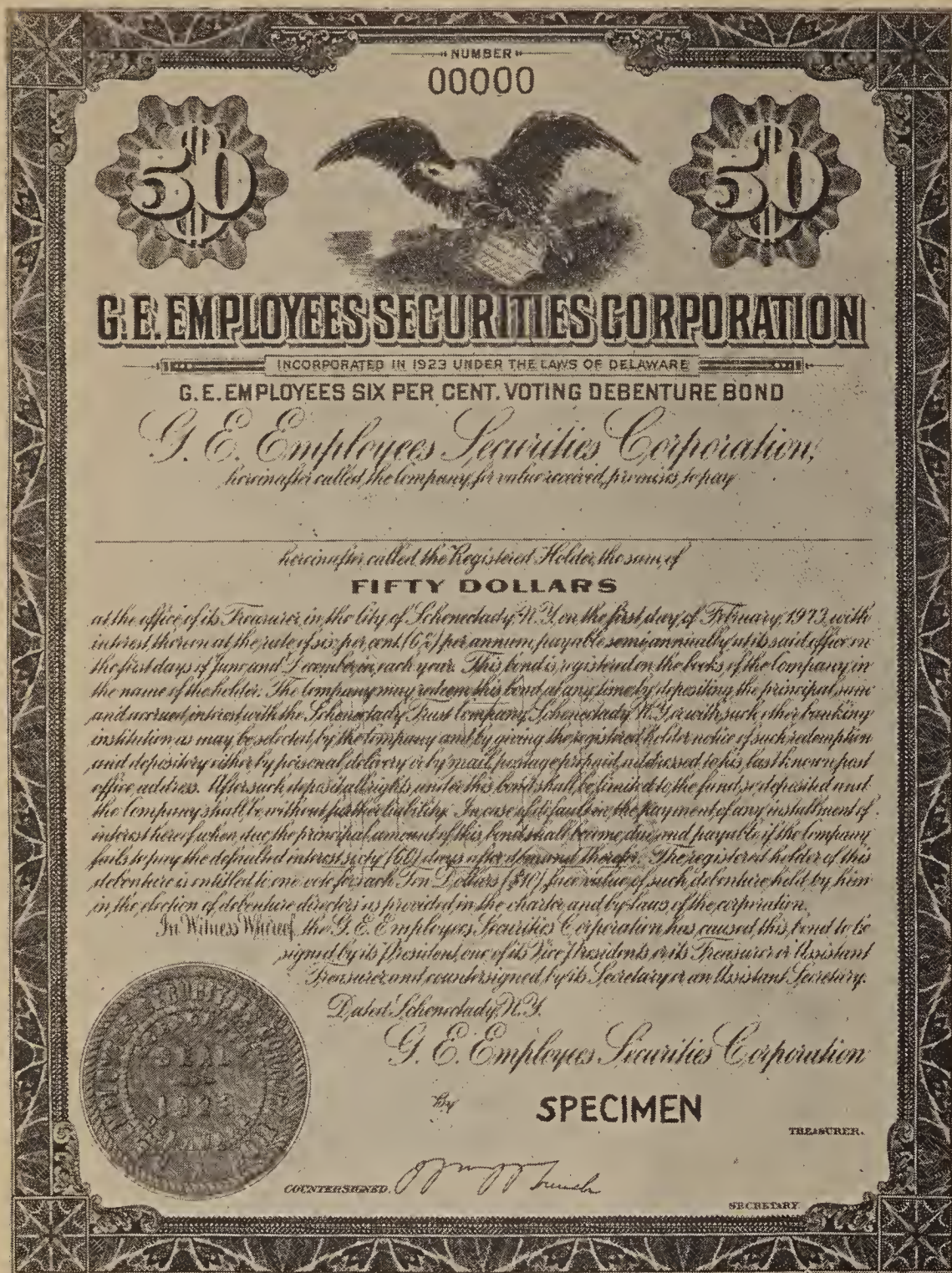
3. The aggregate amount for which any employee may subscribe during the calendar year is \$500.

4. There is no obligation placed upon any employee to subscribe to these bonds, which are issued solely to provide a convenient means for employees to save at a favorable rate of income.

Gerard Swope,
President

PLACARD G. E. L. 40.13 1700 1-10-25

**Subscriptions will be taken during week of February 2nd
to February 7th**



for unemployment and other emergencies? This rather brought home to me what he meant."

The prospectus was printed on yellow paper symbolic, perhaps, of the untold wealth the "investment" it described was to earn those who took this flyer in oil. It offered shares, at one cent each, in a company owning land directly adjacent to several gushers.

"Well," I said, "a dollar buys you 100 shares, \$10 buys you 1,000. A little money there might put you on easy street."

"Right," was the reply, "it MIGHT. But now let's talk sense. I'm not interested in this, or any other wildcat stock, except as it indicates a tendency on the part of the people of the country.

Of course, there are people, lots of them, who will sink money in this affair on the 100 to 1 chance that it will make them rich. I've seen many a person with a lot of stock certificates which were never good for anything except wall paper. Now I might put what little surplus I have in this stuff—and lose it. I might distribute it around to swell my budget for luxuries, amusement, and the like. In either case it would disappear pretty effectively. But suppose I put it into G. E. Employees Securities Corporation bonds. Small as that surplus is it would probably total a tidy sum by the time hard times rolled around. Hard times don't come every year, emergencies don't arise every year. But those bonds keep right on

earning their eight per cent and the little surplus keeps growing.

"In other words those bonds are pretty good emergency insurance. And that's just about what President Swope called them, without saying it in so many words. No, I don't think I want any of their oil stocks."

Then, dropping the flaring yellow prospectus into the waste-basket he said, "Having me on the sucker list is going to prove a waste of good stamps. There's a new issue of G. E. Employees Securities Corporation bonds being offered now. The little I have to lay aside is going to be INVESTED in them."

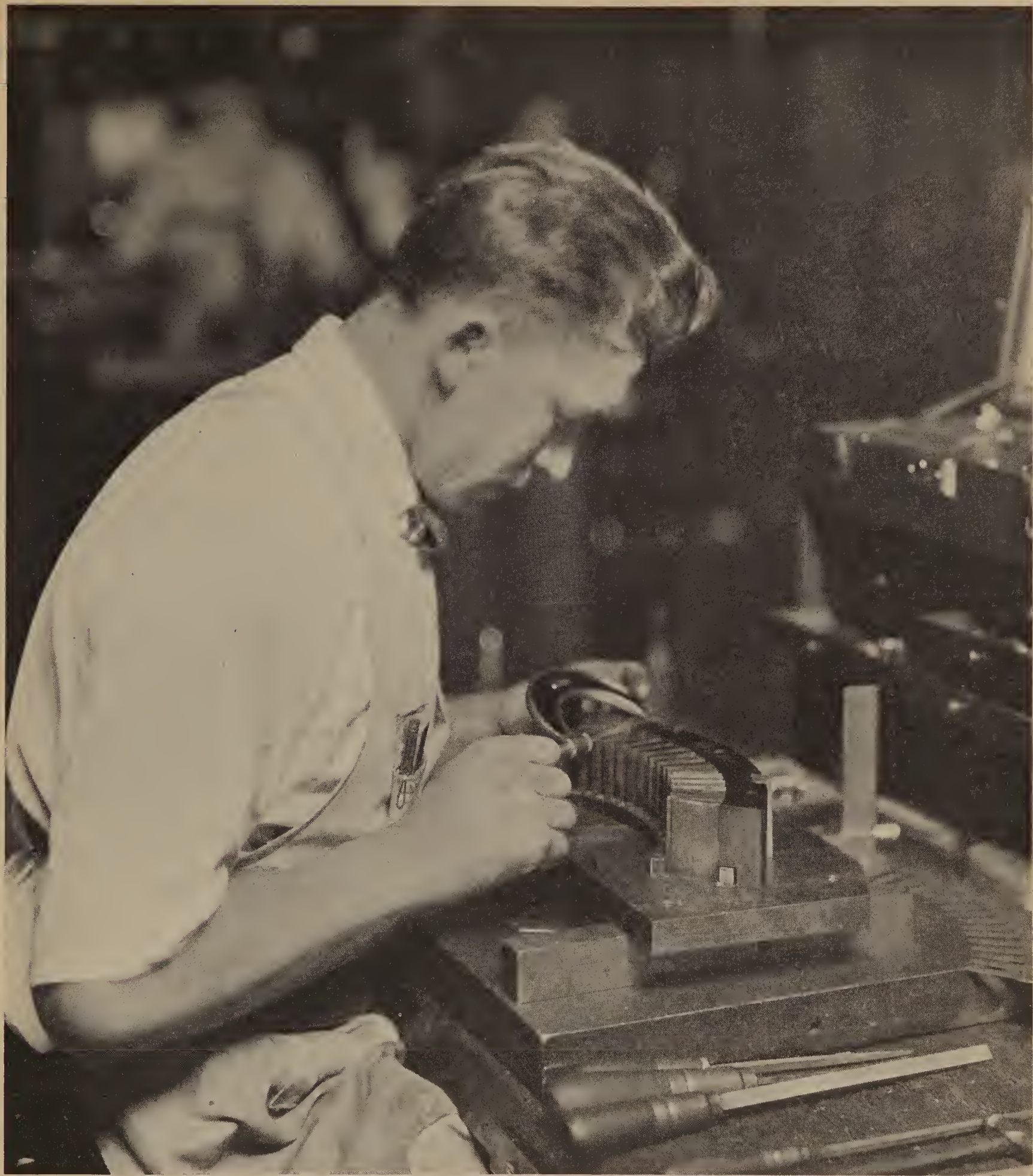
Apparently there are a good many other G. E. employees who believe in an investment and in "emergency insurance." At November 29, 1924, a total of 22,256 employees owned \$12,318,830 worth of G. E. Employees Securities Corporation eight per cent bonds. During the year they received a return of \$761,295 on their investments.

Now the Company, for the third time, offers employees the opportunity of investing their money SAFELY, at eight per cent. Practically one-third of all the employees of the Company already own some of these bonds, which means that one-third of the employees are taking this way of insuring themselves against the emergencies of life. It is a wonderful showing, but with a new bond issue out it should, and will, be made even better.

As Mr. Swope said, it is hard to save. Because of this fact every means has been taken to make it as easy as possible to own G. E. Employees Securities Corporation bonds. They are issued in denominations as low as \$10. They need not be paid for in full when bought, but may be purchased on the partial payment plan, with payments as low as \$1 a week, or \$5 a month. Subscriptions under the partial payment plan will be accepted until February 14. Bonds may be purchased for cash during the rest of the year.

The resignation of Vice-President Emmons, who was President of the G. E. Employees Securities Corporation, has necessitated some changes in the personnel of the officers of the Corporation. J. R. Lovejoy has succeeded Mr. Emmons as President and A. H. Jackson has been elected to a vice-presidency to fill the vacancy made by Mr. Lovejoy's becoming President.

Foremen will have Subscription Blanks and other Information. See your Foreman during week beginning February 2.



Vol. 9, No. 2

February, 1925

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



Learning a Trade

IN earlier times young men learned trades such as that of the machinist by taking work as apprentices wherein they served as helpers to workmen skilled in the art. Some of such apprentices were fortunate in that the men with whom they served as helpers took an active interest in teaching them the fine points of the trade. Others were not so fortunate, as men with whom they worked were more interested in turning out production work. Practically all such apprentices failed to receive that very desirable training in mathematics, mechanics, mechanical drawing, etc., needed in handling many problems that arise in machine and tool work.

The young General Electric apprentice of today is more fortunate in this regard. He takes his training in a well-organized and specially equipped apprentice school. His shop training is directed by men who not only are skilled in handling tools, but who are paid primarily to give the apprentice every possible help. Other special instructors give the student training in mathematics, mechanics, mechanical drawing and general shop practices. The student works out innumerable practical problems relating to difficult pieces of work and in the course of his three years secures a more thorough grasp of production work than he could possibly get in the same time under the old apprentice system of learning a trade.

On the cover of this Works News is featured one of the outstanding graduates of our G-E Apprentice School. Many of our readers will recognize him as Lloyd Wellbaum, an expert tool and diemaker now employed in the Tool Making Department, Building 26-5. In his apprentice work, Lloyd rated very high in both his classroom work and the work in the shop. He took his apprentice training seriously and studiously and his success in practical work is a natural consequence of his attitude toward the tasks assigned him in the apprentice school. Not luck but serious work is the firm foundation of this young man's success.

Foremen and Supervisors Will Hold Twelve Weeks Conference

**DISCUSSIONS WILL FOLLOW TALKS BY
LOCAL EXECUTIVES AND DEPARTMENT HEADS**

**Further Conferences Will Be Arranged if Present Plan Proves
Successful**

IT is proposed to conduct a series of Foremen Conferences consisting of lectures followed by discussion on subjects given below, in order to give the foremen definite instructions regarding company policies as they concern the foreman's responsibility and how he is expected to discharge them; also to strengthen the entire factory organization by study, discussion and instruction on subjects that have a common meaning to persons participating in these conferences.

The first group of supervisors and foremen selected for the conferences met in Building 16-2, at the invitation of the management for a dinner meeting at 5:30 p. m. Monday evening, Jan. 26. There were 110 supervisors and foremen, a number of executives, and those selected to give the lectures for the conference.

The foremen conferences are the result of the mutual desire on the part of the executives, supervisors and foremen for some means of getting into a little closer harmony and contact. The plan of the conferences is to divide the foremen group into five divisions, each division meeting weekly at 10 a. m. on one of the five working days. A period of an hour and a half is set aside and this will be opened by a lecture followed by free and general discussion on the lecture or problems pertaining to it. Whenever a longer time is required, it may be arranged.

Much enthusiasm was shown at the opening meeting and everyone seemed pleased that he had been selected to participate in the initial group.

Mr. Barnes acted as toastmaster in his usual able manner. Introducing the various speakers, he delved into the history of their lives and brought out some points which were generally unknown to those present. While some of the things he mentioned, no doubt, were true, the recipients of the pointed remarks seemed inclined to have a desire to dodge them.

Mr. Goll, the principal speaker of the evening, read a very inspirational paper and brought out in a very able way the development of the electrical industry, the relation of the General Electric Company

to the electrical industry, and finally emphasized the foreman's part in the big job of management.

Mr. Goll emphasized some of the outstanding qualities of the General Electric Company as an employer and showed how it has been one of the greatest far-reaching influences in world civilization, how it has constantly endeavored to furnish an unusual service to humanity, and that it is a consistent and steady employer. He emphasized how the General Electric Company through its position with its customers is able to build large stocks during times of depression and thus keep many employed who would otherwise be suffering for lack of work.

Following Mr. Goll's talk, short talks were made by Messrs. J. H. Evans, Harry Hire, S. E. Palmer, Harry Andress, Wal-

ter Crise, P. C. Morganthaler, E. A. Wagner, and Frank Walburn.

The group meetings began Monday, February 2, at 10 o'clock and will continue for twelve weeks. If the plan that has been worked out proves successful, other groups and conferences will be arranged. The following lectures have been arranged:

1. Materials and Inventory Control, II. A. Hartman.
2. The Foreman's Relation to the Testing Laboratory, Howard Miller.
3. Tools and Equipment, E. L. Simpson.
4. Production and Service to Customers, J. H. Evans.
5. Rates, Rating the Man and the Job, I. H. Freeman.
6. Cost and Accounting (Indirect Expense and Budgets), J. W. Crise.
7. The Relation Between the Engineering and Manufacturing Departments, E. A. Wagner.
8. The Foreman and Maintenance, C. H. Matson.
9. The Foreman and the Employment Department, W. F. Melching.
10. Training the Employees, E. W. Lankenau.
11. The Qualifications of a Foreman, E. A. Barnes.
12. Industrial Service Including Safety, W. J. Hockett.

Steady Decrease in Fire Loss During Past Three Years

Unusually Low Plant Fire Loss During Past Year

THE Volunteer Fire Department of the Fort Wayne Works feels very proud of last year's low record for fire losses which has just been announced. For the past three years our Works has had relatively low fire losses, but the most interesting thing is that consecutive years show reduced losses.

According to the secretary's report there were 118 fires with an estimated loss of \$1,404.70 during the year 1922; in 1923 there were 81 fires showing an estimated loss of \$1,006.84. During 1924, through the cooperation of all employees in the Fort Wayne and Decatur Works, this fire loss was reduced to \$280.04, and there were only 41 fires recorded during the year. On receiving the report of fire losses for the year 1924, Mr. Goll commented as follows:

"I have read with great interest the yearly fire report which I note indicates

a list of only \$280.04 for Fort Wayne and Decatur Works. This is a very wonderful record and you will be interested to know, Mr. Westover mentioned it to me last week. Perhaps it is too much to expect, but let us hope that the record for this year may approach this one."

Our Fire Department sincerely asks your cooperation in holding this record. If there are any fire hazards in your department get them cleaned up as soon as possible. Consult Chief Paul Grimme, if you are suspicious of something being a fire hazard, but are not sure about it. Chief Grimme can be located in Fire Headquarters, Building 17-1, telephone No. 0, and if he is not there the telephone operator will get him on the call bell for you. If unable to get in touch with Chief Grimme, take the matter up with one of his assistants, Jim Sivits or Harry Zimmerman.

Apparatus Section Wins Keeping Fit Contest

THE Apparatus Section made high score in the Keeping Fit Contest for the year 1924 with a total of only six lost time accidents and a standing of 37.1 per cent. This section includes the following departments:

Department	In Charge of
Machine Shop.....	C. Brenner
Machine Shop.....	I. W. Butler
Stock.....	L. S. Fox
Test.....	R. Hoffman
Armature Winding.....	N. Prince
Commutator.....	P. Riblet
Detail.....	G. Rogge
Assembly.....	F. Pembleton
Painting.....	Wm. Thain
Switchboard.....	E. Steinau
Ice Machine.....	J. Schoedel
Ice Machine Test.....	C. Gettys

A bronze trophy is being made and will be presented to the winners upon its completion.

The Meter Department, which won the Contest in 1923, came in as a close second for 1924.

In figuring the standing of the various departments both the number of employees and the hazard of occupations have been taken into account.

The number of lost time accidents for the year 1924 totaled 177 as against 347 during 1923. Figured on the basis of number of employees, the number of accidents per 1,000 employees per month was 3.27 for 1924 as against 5.85 for 1923.

Although this was a wonderful record in comparison, it was not good enough to give us a very good standing with the other General Electric plants, as several of them had better records than we.

This means that we can do still better in 1925 if other departments do as well as the following, which had no lost time accidents during 1924:

Department	In Charge Of
Apparatus Section:	
Machine Shop.....	C. Brenner
Machine Shop.....	I. W. Butler
Stock.....	L. S. Fox
Commutator.....	F. Riblet
Detail.....	G. Rogge
General Test.....	R. Hoffman
Ice Machine Test.....	C. Gettys
Meter Department:	
Stock.....	C. W. Bell
Experimental.....	G. E. Hoglund
Test.....	L. Klingman
Magnet.....	J. Smith
Auto Screw Machine.....	O. Roehm
Plating and Dipping.....	C. Dixon
Standardizing.....	H. Rohrbaugh
Fract. HP Motor Department:	
Experimental Test.....	C. Elder
Assembly.....	C. A. Hartman
Plating.....	G. Platts
Commutator and Short	
Circuiting Device.....	H. Schnurr
Stock.....	K. Szink
Decatur Plant:	
Finishing.....	Cash Lutz
Tool Room.....	Bert Gage
Mechanical Maint.....	A. Buffenbarger
Electrical Maint.....	Cal Waite
Yardmen.....	Fred Braun
Contributing Departments:	
Foundry.....	J. C. Beekner
Heat Treating.....	C. Grimes
Tool Supply.....	H. Peters
Vestibule Training.....	W. Wolf
Transformer Department:	
Experimental.....	H. Aumann
Stock.....	C. Price
Induction Motor:	
Coil Wind and Insulating.....	O. Brunner
Test.....	R. Harruff
Assembly.....	Wm. Starke
Stock.....	A. R. Spencer

Transformer Department Again Draws Compliment

ON October 30, a customer who had urgent need for three large 66,000-volt transformers placed the order with a General Electric salesman on receiving our salesman's assurance that we could and would make shipment of the transformers by December 1.

This unusual short time delivery on these three 300 kv-a transformers, specified by the customer, was a matter of great moment to him. He had signed a contract to give electric service by December 15, and obviously two weeks was as short a time as he could allow for transportation of the transformers from the factory and for installing them for service. The customer explained his problem to the G-E salesman, and the salesman explained the urgent need for rush service to our Fort Wayne factory when he sent the order in to us.

Now it is easily seen that it is good business for the factory to back up the salesman's promise and while we would much rather have more time in which to build such transformers, the customer's urgent need merited this order going through on a rush basis. It took careful planning, it took overtime work, it required wide-awake following on the job through the factory and taking advantage of every opportunity to advance the work to get the transformers through test by the scheduled date. But our factory did it. On December 1, the transformers were placed on board a car, consigned to the customer and our people saw to it that the car got out of town promptly. Both the salesman who handled the job and the customer were pleased. It may mean more business for our factory—but read the following letter for yourself:

Youngstown, Dec. 9, 1924.

Mr. L. M. Garman,
Transformer Production Department,
Fort Wayne, Ind.:

Referring to your letter of Dec. 4, the writer certainly wishes to congratulate you on the super excellent work you have done in getting this shipment of transformers out in the very short time available. It is work of this kind that helps the commercial situation very decidedly. This assistance, coming at this time, will be a very important factor in aiding us to close the contract for next year.

Customer is very much pleased with the service.

DKS:MBW

D. K. STARBUCK.

Quarter Century Notes

The secretary of the local Quarter Century Club has just received a letter from M. S. Wilson, retired, who is sojourning in the balmy clime of California. Mr. Wilson is enjoying himself immensely and a few days ago was pleasantly surprised to receive a visit from Gust Kayser, his wife and daughter, who are sojourning in Long Beach, California.

Gust has been too busy to write, but apparently all are enjoying themselves immensely. Mr. Wilson also speaks of having met Sam Elliot, retired, and several other former Fort Wayne people.

Technical Night School Starts Spring Term

Large Number of Previous Students
Sign up for Spring Term

JANUARY 15 marked the close of the fall term of sixteen weeks of the General Electric Technical Night School. Courses were offered in Algebra, Trigonometry and Elementary Analysis. Twenty-four men completed the work in one of the above classes.

Over one-quarter of these men enrolled in the fall term have taken one or more courses before. At least one-half of the men enrolled in the fall term have indicated their desire to enroll in the spring term courses. The fact that so many take two or more courses indicates that many of the students realize the necessity of having a better education and shows that many are willing to make a great sacrifice of time and pleasure that they may later reap the benefits of their efforts.

There are no royal paths to knowledge and in this lies one value of an education. Even with the present educational opportunities the world over, so few people really avail themselves of an education. The reason is that there are very few who can give up the pleasure of the present and substitute hard study for a greater pleasure in the distant future. Because of this so few are really capable of doing other than routine labor and are therefore able to receive better compensation for their work.

The spring term opened this week. Drafting, trigonometry and A. C. Machinery are offered during this term. The course in Drafting and Mechanical Drawing is valuable to any person in any occupation where it is necessary to lay out or plan work. Its training makes possible the expression on paper of constructions which are thought out in the mind. The course in A. C. Machinery is an unusual course being given for the first time in its present form. The text used will be Dawes' "Alternating Currents," a book used at Purdue University and the University of Illinois and other leading institutions of learning. This course is open to men who have had trigonometry or an equivalent training in mathematics and will be a splendid opportunity for the study of the theory of alternating current machinery. The course in trigonometry has always been a popular one because of the fine training in logical thinking and is being repeated for a large class of men.

Although the classes may have started before this is published, there still will be opportunity for those interested to join them. For information concerning the courses call H. G. Thuesen, Building 26-5, on phone No. 217, or talk to Kenneth Huyette, or L. O. Adams.



MELL GRAFF
Received \$35 Award



MADARUS A. PUTT
Received \$50 Award



GLEN E. SHANK
Received \$35 Award

Suggestions Improve and Better Awards Given

Four Largest Awards Average Fifty-five Dollars

THE Committee on Suggestions announces the following awards made on suggestions up to January 21:

Madarus A. Putt of the Transformer Test Department, an award of \$50 on a new style soldering transformer. Mr. Putt developed a new type of transformer having a nichrome resistance unit so arranged that it is maintained at constant temperature and thus it is possible to perform delicate soldering operations with ease. A photograph of Mr. Putt appears on this page. The device he suggested is now in use in the Radio Transformer Department, Building 26-3.

Mell Graff, whose photograph appears on this page, an award of \$35 on a method of cutting transformer coil holding plates so that two coils can be put in a treating tank at one time. Mr. Graff, who is an employee in the Transformer Treating Department, Building 7, conceived the idea that by cutting off a section of the corners of the holding plates two transformers could be placed in a treating tank where only one would fit before.

Glen E. Shank, employed in the Meter Winding Department, Building 19-4, an award of \$35 on a suggestion to make a semi-automatic machine for pressing meter potential coils. Previously these meter potential coils had been pressed on an arbor press, but Mr. Shank proposed that a punch press be tooled up to do this work. This was done with much success. A photograph of Mr. Shank appears on this page.

E. J. Bobay, an employee in the Tank Shop, Building 27, an award of \$10 on a suggestion to use channel shaped ring

to aid in welding ends of Type R and C transformers.

George Roush, an award of \$10 on a suggestion regarding a hook for holding tension rod on hydraulic presses used in Induction Motor Department, Building 19-3. Mr. Roush is employed in the Induction Motor Machine Department, Building 19-3.

Ralph Deems, an award of \$5 on a suggestion regarding installing a push button control on band resaw No. 10768 located in Building 10 annex. Mr. Deems is employed in the Carpenter Shop, Building 10-1.

Ralph C. Hageman, employed in the Small Motor Winding Department, Building 4-5, an award of \$5 on a method of constructing a guard used in grinding Frame 236 and 246 Fractional Horsepower armatures in Building 4-5.

Lester Hubartt, an award of \$5 on a suggestion regarding a guard for speed testing machine for testing SA armatures in Building 4-5. Mr. Hubartt is employed in the Small Motor Inspection Department, Building 4-5.

Bernard Lauer, an employee of the Tank Shop, Building 27, an award of \$5 on a suggestion regarding moving band rolling machine No. 10821 located in Tank Shop, Building 27.

John Fuller, an award of \$5 on a suggestion regarding placing metal protection on wall at rear of Stationery Department, Building 16-3. Mr. Fuller is employed in the Fractional Horsepower Motor Stacking Department, Building 4-1.

LaMar Drake, employed in the Small Motor Core Stacking Department, Building 4-1, an award of \$5 on a suggestion to make up case hardened washers for use in Small Motor Core Stacking Department.

The largest award made during the past month went to an employee in the Decatur Works. The story of this award is given in the Decatur Section of this Works News.

Two Messenger Boys Take Up Apprentice Work

Earl Jackson and James Thompson, who for a number of months were in the messenger service of the Distribution Department, recently were transferred to the Apprentice School, and are enrolled on the three-year machinist and toolmakers' course.

Apprentice Jackson is a native Fort Wayne boy, and after finishing the common school work, had one-half year at South Side High. Apprentice Thompson, however, lived in St. Joseph, Illinois, and took his common school work there. After coming to Fort Wayne, he took one year at South Side High School, before taking employment in the Distribution Department. He is a son of Clinton Thompson, of the Wire and Insulation Department, working in Building 2-1.

E. T. C. Dance Scheduled For Thursday, February 12

E. C. Foley, chairman of the Entertainment Committee of the Electro Technic Club, announces that a dance will be held at the Winter Garden, February 12, at 8:30 p. m. This dance will be for members and their families. Others can secure membership tickets at the door.

The Metropolitan Orchestra will play for this dance, which bids fair to be one of the best events of the season. Mr. Herbert Clemens has secured a concession to operate his Toastie Shop at the Winter Gardens so that the dancers can secure refreshments, such as sandwiches, ice-cream, hot chocolate, and so forth, without leaving the building. Handsome favors have been provided for the guests.

A. C. Hartman, chairman of the club, announces that the event for March will be an athletic carnival, and will probably be staged at the Moose Hall. Those who have enjoyed these carnivals in the past will know what to expect this year.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Helen Fuhrman.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Verena Miller.....Decatur Works

REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
Alma Olson.....Elex Club
Carrol Blincoe.....Apprentice Association
Fred Duryee.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
I. E. Hall.....Quarter Century Club
Edward Witte.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
L. O. Adams.....G-E Squares
Irene Fox.....Absent Employees

Vol. 9 February, 1925 No. 2

ORDERS received by the General Electric Company for the three months ending December 31 totaled \$80,009,978, an increase of 7 percent over the same quarter in 1923, according to figures made public by Owen D. Young, chairman of the Board of Directors.

For the year 1924, orders totaled \$283,107,697, as compared with \$304,199,746 for 1923, a decrease of 7 percent.

Henry W. Darling, for more than thirty years treasurer of the Company, was recently appointed a vice-president of the Company with such duties as shall from time to time be assigned to him by the president.

R. S. Murray, former assistant treasurer of the Company, has succeeded Mr. Darling as treasurer. Mr. Murray has held his previous position since 1910.

Mr. Darling has been intimately connected with the financial affairs of the Company since its organization in 1892. In 1893 he became assistant treasurer of the Company and was made treasurer about one year later. In addition to serving as treasurer of the Company he has also been treasurer of a large number of associated and subsidiary interests of the Company.

Mr. Murray entered the employ of the Company in 1893 and six years later went to both Australia and South Africa to assist in the formation of the Australian General Electric Company and the South African General Electric Company. He then spent some time at Pittsfield, coming to Schenectady in 1907, three years after which he became assistant treasurer of the Company.

Group Life Insurance

The Group Life Insurance upon employees of the Company, which first became effective on January 1, 1920, and which has been renewed from year to year, was again renewed at its expiration on December 31, 1924, for the year 1925.

All employees of the Company who have been in its employ for a year or more are insured. Employees having dependents are insured for \$500 at the end of the first year, and this amount is increased annually until at the end of five years the insurance amounts to \$1,500.

Deaths Reported in December, 1924

Employees	Died	Beneficiary
<i>Schenectady</i>		
Arthur F. Evelyn	Nov. 27	Wife
John D. Wagner	Nov. 20	Wife
Gustave F. Dreher	Nov. 27	Wife
Henry W. Kohlmeier	Nov. 30	Wife
Wm. D. Clifford	Dec. 1	Wife
John Ferro	Dec. 4	Wife
Albert W. Clark	Dec. 9	Step-mother
Elizabeth Moulton	Dec. 5	Cousin
Frank Holtslag	Dec. 11	Mother
Lyman Clark	Dec. 15	Wife
<i>River Works</i>		
Mathew F. Walsh	Dec. 12	Wife
<i>West Lynn Works</i>		
Michael J. Healy	Nov. 25	Wife
John H. Maag	Dec. 3	Wife
Clorinda Fochillo	Dec. 8	Wife
<i>Pittsfield</i>		
Steve Sacher (1923)	Dec. 30	Wife
Chas. C. Porter	Apr. 26	Children
Fred R. LaPorter	Nov. 18	Wife
Alexander Rogers	Dec. 10	Wife
<i>Fort Wayne</i>		
Raymond R. Kabisch	Nov. 11	Mother
Maynard Hall	Dec. 10	Father
<i>Erie</i>		
Robert W. Casler	Dec. 9	Mother
<i>Baltimore</i>		
Evelyn W. Graves	Dec. 12	Parents
<i>Philadelphia</i>		
Geo. W. McCoy	Dec. 7	Wife
Total—23 Deaths		\$29,650.00
Total Claims paid year 1924, 269—		\$329,250.00

War Memorial Fund Surplus Donated to G-E M. B. A.

THE unusual has happened, a fund acquired by popular subscription for a definite special purpose has more than covered the needs and a surplus results.

After all the bills were paid approximately \$185.00 remained in the G-E War Memorial Fund. Several suggestions were made as to what should be done with this money. Five leading suggestions were placed on a ballot and the subscribers were allowed to decide.

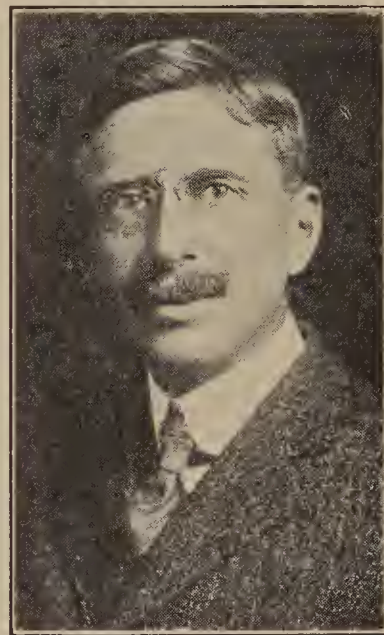
The results of the ballot were:

	Votes
"A"—Donate to G-E M. B. A.	766
"B"—Donate to G-E Recreational Foundation	178
"C"—Donate to G-E A. A.	57
"D"—Donate 1/3 to each "A", "B" and "C"	185
"E"—Donate to American Legion Convention Fund	257

Thus the money goes to the G-E Mutual Benefit Association at the expressed will of those who donated to the fund.

New Safety Bulletins To Be Used This Year

INSTEAD of using a scheme for showing the number of accidents in a department since the first of the year, a bulletin will be used designating the time a department has gone without an accident. It may be difficult to determine the exact date of the last accident in departments that have not had an accident for several years, but effort will be made to secure that date if possible.



JOHN WHITE HOWELL

John White Howell Awarded Edison Medal

TO an Edison Lamp Works employee, John White Howell, goes the honor of receiving the Edison Medal for 1924.

Founded by the Edison Medal Association, composed of friends and associates of Thomas A. Edison, this medal is awarded annually. It was presented to Mr. Howell by the Board of Directors of the A. I. E. E. "for his meritorious achievements during forty-three years of scientific research, and broad services in the developing of the incandescent lamp."

It was forty-three years ago that Mr. Howell entered the employ of the Edison Lamp Company, at Menlo Park. The lamp industry was then in its infancy. Mr. Howell has remained with the Edison Lamp Works ever since then and his work has been a large factor in the development of the industry. His numerous important inventions and many written contributions have been vitally constructive factors in the improvement and growth of incandescent lamp production.

Mr. Howell is a fellow of the American Institute of Electrical Engineers, member of the American Society of Mechanical Engineers, National Electric Light Association, Association of Edison Illuminating Companies, Illumination Engineering Society, Franklin Institute and past president of the Edison Pioneers.

Mutual Benefit Association Starts Year With Good Record

THE Mutual Benefit Association is starting the new year with 83 percent of the employees at Fort Wayne and Decatur plants duly enrolled as members. This is an unusually good showing and while it may be partly attributed to the somewhat reduced working forces, due credit must be given to the energy of those who see that the employees about them are fully aware of the benefits of membership in the M. B. A. Inspection of the records shows that 605 new members were ac-

quired for the M. B. A. during 1924. The honors in the membership campaign go to Section 12, which acquired sixty-five new members during 1924. The honors for having the greatest percentage of employees in their jurisdiction as members of their section goes to Section 20 with a perfect percentage of 100, all employees in that section members and all boosters for M. B. A.

Complete M. B. A. membership data are given in the table below:

Sec. No.	Numbers of Employees in District	M. B. A. Members in Section	Percent of Employees Belonging to M. B. A.	M. B. A. Members Acquired During 1924
1	249	143	57	37
2	107	97	91	14
3	171	161	94	29
4	61	60	98	5
5	106	91	86	7
6	192	166	86	23
7	144	126	87	40
8	123	106	86	15
9	110	102	93	8
10	187	160	85	36
11	124	120	97	11
12	314	209	66	65
13	124	112	90	10
14	82	80	97	3
15	71	65	91	3
16	90	57	63	10
17	165	157	95	32
18	187	175	93	37
19	67	62	92	18
20	79	79	100	15
21	69	63	91	30
22	148	127	86	5
23	155	131	85	24
24	185	105	57	27
25	128	116	91	38
26	...	...	...	...
27	111	90	81	29
28	120	114	95	10
29	201	107	53	4
31	122	116	95	20
	3992	3297	83	605



GIRLS WHO MADE RECORD IN FILLING PAY ENVELOPES

Irma Somers Naomi Graver
Katherine Neeb

young couple have arranged to make their future home. The thought occurred to Mrs. Neeb that she would like to try again to see if she could not improve on her former record of 837 envelopes per hour. In this trial Naomi Graver and Irma Summers were the checkers for Mrs. Neeb. When this group's assignment of pay envelopes were filled, checked and found O. K., a new high record of 861 envelopes per hour was marked on the board to the credit of this team.

Obviously Mrs. Neeb will be missed in the Accounting Department, especially on pay day when the pay envelopes have to be made up. Yet she will also be greatly missed because of her pleasing personality as she has always been a popular member of the pay roll group. The sincerest best wishes accompanied Mrs. Neeb as on January 3 she bade her co-workers a final adieu.

Winds Up Final Payroll With New Speed Record

Catherine Neeb Leaves to Make Home in Los Angeles, California

SPEED and accuracy working together make a wonderful results accomplishing team. Speed without accuracy, however, is likely to make a sad mixup of things; accordingly we have the common remark that it is best to make haste slowly.

Now in accounting and payroll work accuracy is an essential and speed a very desirable thing. Counting out the money for the pay envelopes is one of these special jobs in which mistakes must not be

made, and yet speed is almost necessary for there are a lot of envelopes to fill and only a limited amount of time in which to fill them. One year ago we ran in our Works News the story of how the pay envelopes are made up and told of the unusual record for speed and accuracy made by a group of three girls in handling their assignment of pay envelope work. Counting out, checking and enclosing money in pay envelopes at the rate of 837 envelopes per hour was the record made by Catherine Neeb, Eva Overly and Helen Gnau and that record of 837 stood until a very few weeks ago.

Early in January Mrs. Neeb was to leave our employ to join her husband in Los Angeles, California, where the

Apprentices Plan

Indoor Carnival

THE G-E Apprentices are arranging a big indoor carnival to be held at the Winter Gardens, March 12, 13, and 14. A committee composed of John Rodgers, Milton Kline, Carrol Blincoe, Donald Thomas and Kenneth Crabill have been appointed to have charge of the affair. In addition to the dancing, there will be a number of special and novel entertainments. This is of course open to the public, and the apprentices hope it may be well patronized. Further details will be given in the March Works News.

Dean Potter's Discussion of Problems and Tendencies in Education

[This is the second part of a paper read by A. A. Potter, the Dean of Engineering at Purdue, before the December meeting of the local section of the A. I. E. E. The first part of the Dean's address was run in the January issue of the Works News.—Editor.]

"TO develop thinking men and women we must place a higher valuation upon inspirational teaching and we must constantly strive to improve the quality and thoroughness of our instruction. The future of our educational institutions depends upon good teaching. It is not so much a question of what we teach as of how we teach. The greatest asset of an institution of learning is its teachers and not its buildings or its equipment. Are we giving sufficient attention to good teaching? Do we encourage independent thought among our teachers? Are the teacher's talents recognized and properly rewarded?

"A way has never been found of acquiring learning without study, but observation shows that few students know how to study. Educational institutions are at fault if they fail to guide students in developing of systematic habits of work, a proper mental attitude toward their studies, in improving their personal efficiency and in acquiring proper habits of study.

"Students should be aided in cultivating interest in their studies. A large percentage of failures among students is due to the fact that they are not interested in the subjects they are studying. Interest is based upon apperception. The immature student often lacks imagination to discover interest in abstract matters, but can be interested if he can see the application of the subject he studies. The majority of American boys are of a practical turn of mind and cannot be interested in knowledge unless they can see the application.

"Interest on the part of the learner is essential if he is to derive the greatest benefit from his course of study. The master teacher should be a master salesman who can develop in his students an interest in the subjects offered and a desire to learn.

"The most critical time in the career of our boys and girls is during their first year at college. Are our higher educational institutions allowing their students to be taught by immature instructors or are the teachers for our freshman students selected for their teaching ability as well as for their power to interest and to enthuse their students? Are we guiding our students so that they do not lose their sense of proportion between studies and student affairs or are we allowing education to be subordinated to the so-called activities? Are we encouraging our boys and girls to spend too much time at the side shows (athletics, school life, etc.) and to miss the show in the main tent of the educational circus? Are we allowing our boys and girls to be misguided by false

propaganda that there is no relation between the grades a pupil receives at school and his or her success in life? Many statistical inquiries show conclusively that the students who make good grades at school and college have at least ten times as many chances to become successful in life as compared with the mediocre students. Cases are found now and then when a student who had high grades in school is a failure. Such cases, however, are rare and can be usually attributed to the fact that the person in question either had a poor personality, undesirable traits of character, or was one of those people who worked only for grades; he attached more importance to the label of the container than to its contents.

"Are our educational institutions instilling in the minds of their students a desire to explore the unknown and a keen interest in true learning?

"Society expects our educational institutions to develop thinking men and women who possess not only outstanding qualities of character but also superior personal traits. Educational institutions in nearly all cases rate students only on academic performance and the grades given are only a measure of brains and application. This system of rating is not a check of the student's personal, moral or social traits and does not fully show the effect of the course of study upon the development of a student. Education should involve selection as well as training. Every student should be encouraged to find out for himself what he is best fitted to do and he should be assisted to develop such personal traits as: address and manner, attitude, cooperative ability, disposition, industry, judgment, initiative, and leadership.

"Educational institutions are not fully discharging their duties toward their students by imparting information and by dismissing those who cannot keep step. Teachers are not doing their duty if they limit their tasks to the selection of text books, the assignment of lessons, the examination of students and the recording of student performance. Education, like the selling of goods, must be adapted to the needs of the student-customer. The master teacher has a thorough knowledge of his subject, is constantly a student of better teaching methods, understands human nature and is able to interest and to enthuse his students. Every one of our teachers must be given sufficient time to become well acquainted with the characteristics of each student in his classes. He will then be in a position to build every course of study upon each student's ability, aptitude, knowledge, and experience.

"Personnel ratings when added to the academic ratings are of value in encouraging self analysis on the part of a student and are helpful in discovering the student's talents. Carefully kept personnel records are also helpful in recommending students to prospective employers.

"Are our educational institutions giving sufficient attention to the development of the aesthetic tastes of our boys and girls? Have the graduates of our high schools and colleges sufficient appreciation of good books, art and music? Do they know how to utilize their leisure hours in an inexpensive manner? Do they find amusements in things worth while or do they have to be constantly amused?

"Comparisons have been made between the 'old classical type' of education and that which is offered in engineering colleges. Those favoring the 'old classical type' of education usually claim that technically trained men and women lack general information and are less cultured than graduates of classical colleges. A careful examination of the present engineering curricula of American colleges will reveal the fact that the engineering undergraduate student devotes about one-half of his time to general collegiate subjects, such as English, other languages, history, economics, mathematics and science, about one-fourth of his time to general technical subjects and about one-fourth to specialized engineering training. It is true that the engineering colleges during the earlier years of their existence trained men for greatest usefulness immediately after graduation. Engineering educators are now convinced that the aim of a college course is to teach things which are basic and which the student cannot acquire by his own efforts after he leaves school. The aim of the present engineering curricula is to afford the student a broad acquaintance with the conditions of modern living as well as to prepare him for the practice of the engineering profession. These curricula are not 'highly specialized' as is claimed by those who are unfamiliar with engineering education. Engineering educators are trying to bring into intelligent activity the student's mind so that he can attack new problems and appreciate the importance of right living. They are trying to train men so that they will be fitted for the largest development and greatest usefulness in the long run, but not necessarily immediately after graduation. In general, either the classical or the technical type of education will result in promoting intellectual growth and in developing the inherent powers of a person; it all depends upon the student and the teacher.

"While discussing engineering education the following remarks should prove of interest: Engineering was the first profession to organize a society devoted to teaching, the S. P. E. E. This society is the only one in existence devoted to engineering education.

"One hundred and thirty-seven colleges are training about 53,000 engineering students in the U. S. A. and are graduating about 9,000 per year. These colleges of engineering represent an investment of over \$150,000,000 and an annual budget of about twenty-five million. The staffs of these colleges include about 6,000 teachers of engineering and of related subjects.

"A cooperative project is now being

carried on by the S. P. E. E. and the engineering colleges the purposes of which are as follows:

1. Inventory of occupational demands for technically trained engineers.

2. Present facilities in engineering colleges to meet this demand.

3. Occupation of engineering college graduates.

4. Aims of engineering curricula. Preparation for life or for a profession or for both.

5. The study of the entering engineering student; his background and preparation. Placement tests.

6. The problem of elimination; causes of failure; why only one-third graduate, etc.

7. A study of the engineering teacher.

8. Bonds between engineering college and engineers.

9. Do curricula produce maximum mental development of each student at least cost?

10. Flexibility of training to suit capacity of students and requirements of industry.

11. How should responsibility for further training be shared by colleges and industry.

12. Critical studies of European education.

(To be concluded in next issue.)

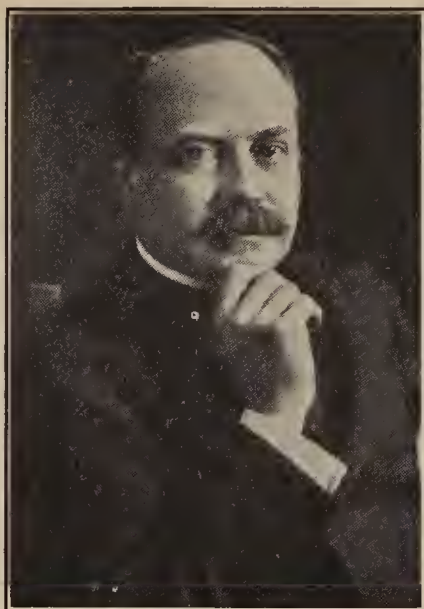
Foremen as Entertainers Give Family Party

First Event Under New Officers

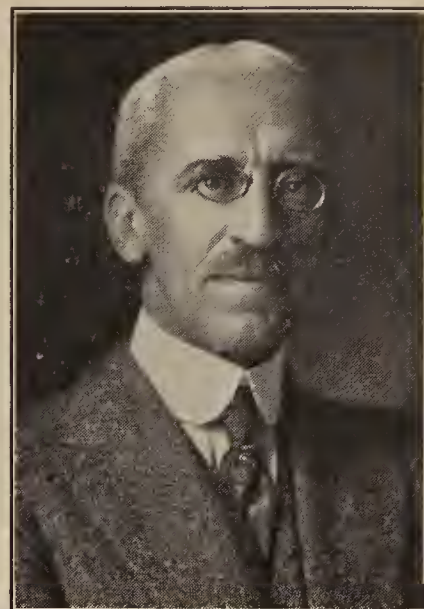
THE first social event to be given under the new officers of the Foremen's Association was a family party, held in the G-E recreational rooms, Building 16-2, on the night of January 28. Robert Gollmer, "Jim" Sivits, Ralph Craig, Ralph Dolan, Lloyd Platt, and R. S. VanAuken, the committee handling the event, arranged an interesting program, using almost wholly talent from the club's membership. Writing before the event, we cannot give authentic details of the program, but it is understood that Gus Rogge, Henry Schnurr, Fred Schafenacker, and Ralph Dolan will tune up as a quartette, Otto Brunner accompanying them on the piano; Hans Anderson and John Roebel will give a musical number, and Ray Hoffman a specialty act. William Lageman is scheduled for a selection on the concertina and the Misses Elmira and Charlotte Olds, daughters of E. C. Olds, are to give a piano and saxophone duet.

At 10:30 p. m. the program called for a light lunch to be served, this to be followed by dancing, Lageman's orchestra furnishing the music.

The entertainment committee was assisted during the evening by the following ladies, who acted as a special reception committee: Mrs. Lloyd Platt, Mrs. Ralph Craig, Mrs. Robert Gollmer, Mrs. E. A. Sivits, Mrs. Ralph Dolan, and Mrs. R. S. VanAuken.



J. R. LOVEJOY
New President G-E Employees'
Securities Corp.



A. H. JACKSON
New Vice-President G-E Employees'
Securities Corp.

Changes in the officers of the G-E Employees' Securities Corporation were occasioned recently by the resignation of G. E. Emmons, who was President of the Corporation.—Editor.

Alpha Phi Dance Proves a Big Success

LIVING up to the standard "Alpha Phi does things" was shown again by the dance that was given on January 21 at the Moose Auditorium. Nearly two hundred couples, members and their friends, attended, and from the numerous calls, asking for another such event, the committee feels that everyone had a good time. Dancing started at nine o'clock, and to the irresistible music by the famous Unique Orchestra the dancers soon forgot about all other things, and heard only too soon the familiar "Home Sweet Home" at 12 o'clock. A confetti dance was one of the features of the evening, in which the serpentine twined, and the confetti flew, accompanied by the merry making of the dancers, the old Alpha Phi spirit which is dominant at all its affairs soon prevailed. The committee in charge is to be congratulated on the big success of the event, and we all hope to have another good time in the near future.

Chaperones for the dance were Mr. and Mrs. W. H. Fritz, Mr. and Mrs. O. L. Weitzman, and Mr. and Mrs. F. G. Dur-ye.

It was recently announced by Carl Geller, President of the Club, that plans are being made for a valentine party, for the members only, to be held in Building 16-2, on February 12. To tell everything would only take the joy out of surprises, but it has been said that among the versatile events planned, the outstanding features will be a Chautauqua entertainer, and a very new "get acquainted" stunt.

The entertainment committee is in full charge of the party, and it has been said that if it's like any of the rest of the parties, it will prove another big success.

News From Our Absent Employees

Albert Goshorn, employed in the scrap shed, Building 13-C, is a patient at the Methodist hospital, having submitted to an operation for gall stones. The personnel representative visited him recently and found him slowly improving. He expects to leave the hospital soon and be removed to his home at 462 Elizabeth street. This is good news, Mr. Goshorn, and we all hope that it will not be long until you can be back with your fellow workers again.

Williard Hull, of the Meter Magnet Department, has been quite ill and is confined to his home at Cedarville by an attack of typhoid fever. The latest report from his home is that he is slowly improving and is able to be up and around a little. He sends word to his friends that he expects to be back to work about February 1. We hope he may be with us by that time.

Alva Walker, an employee in the Machine Department, Building 17-2, has been away from work since December 5. Mr. Walker and his family have had an extreme amount of bad luck lately, the entire family having suffered from scarlet fever, and one son nine years old having died. The latest report from his home is that the rest of the family are slowly recovering and Mr. Walker is hoping to be back to work in a very short time. The Works News takes this means of extending to you and your family your co-workers' sympathy in your recent bereavement and hope that it will not be long until all the sick folks in your family have recovered and that you can be back in our midst again.

Ollie Fox, an employee in the Induction Motor Department, Building 19-2, is confined to his home at 2110 Parnell avenue

recovering from an operation for appendicitis. The personnel representative visited him a few days ago and found him feeling very well and very anxious to return to work. We all sincerely hope that it will not be long until you can be back on the job again.

Friends of Miss Jo Zimmerman, of the Industrial Service Department, will be more than pleased to learn that she is showing a marked improvement and has all hopes of being well on the road to recovery. Jo has had a hard battle, having been confined to her home at 718 Harmar street since last September. All who know Jo realize what this has meant to one who has been as active as she, but we all feel very confident that when the trees blossom forth in the spring Jo will have returned to her duties fully recovered.

Miss Mae Brubaker, an employee in the Radio Department, Building 26-3, is a patient at her home, 2219 Broadway, recovering from an operation for appendicitis which she submitted to recently at St. Joseph hospital. The personnel worker reports that Mae is coming along fine and is hoping to be back to work in the very near future. This is good news, Mae, as all the girls in the department are anxiously awaiting your return.

Mrs. Ella Shovlin, of the Cable Department, Building 26-3, is a patient at the St. Joseph hospital, having submitted to an operation for goiter. The latest report from her bedside is that the operation was very successful and she is getting along very well. This is a fine bit of news, Ella, for your friends have been very anxious to hear that you are recovering. Mrs. Shovlin resides at 1239 Ewing street.

Henry Harber, an operator in the Switchboard Department, Building 19-B, is recovering nicely following an accident that he sustained about six weeks ago. Mr. Harber resides at 1218 Broadway and a visit from his friends will be greatly appreciated.

Frank Schibley, formerly employed in the Induction Motor Department, is still confined to his home at 347 East Main street. Friends of Frank will remember that he was shot in the leg while on a hunting trip about one year ago, and has never fully recovered. At first it was feared that the leg would have to be amputated, but the personnel representative visited him recently and found him very confident that an operation would not be necessary and that it would be a short time until he would be able to be about without the aid of his crutches. This is the best news yet, Frank, and we all hope that it will not be long until you have fully recovered and will be able to be back with your fellow workers again.

Leonard Kiumbicel, employed in Building 26-3, is confined to his home on rural route No. 2 nursing a crushed foot. Mr. Kiumbicel informs us that he is getting along fine and we hope that by the time this news reaches you he will be back at work again.

Something About Past Friday Noon Programs

DURING the past year the Friday noon-day programs, held in Building 16-2, have proved to be both entertaining and clever, a great majority of the talent being found among our own G-E employees. We wish to take this means of thanking them for their unselfish time and efforts expended to entertain the rest of us.

The season was opened with a play, "The Red Parasol," given by Martha Scherzinger's girls in the Field Department of the Small Motor division (4-4). This was the first attempt along dramatic lines for these girls. As the scene opens, we find Mrs. Vivian Tobias, who was visiting her aunt, Mrs. Helen Krieter Hayes, excitedly telling her cousin, Ruth Lytel, of losing her red silk parasol, which was very dear to her because of the givers (several relatives) involved. In distraction she had wired to all of them and had advertised in the evening papers. The particularly clever acting of the twins, played by Luella Tarmon and Mrs. Lenora Strayer Cupp; the typical old, negro mammy, Anna Buanna; and the poor Irish washer woman, Rebecca Sheehan, who came clear across the city to return an umbrella, which proved to be only an old, cotton one which she had found on the street car, brought about many ludicrous situations.

On two occasions Frances Long* of the Telephone Department very charmingly entertained by reciting several selections, including sketches on Irish, negro, and Scandinavian dialect. On the latter occasion, Miss Dorothy Bolt, of the Pay Roll Department, a contralto singer, assisted Mrs. Long with the entertainment and brought down the house with applause when, in one of the songs she sang, "the maiden told the lad that she would give him a kiss when apples hung upon the lilac tree."

On November 7, "A Pair of Burglars," Harry Daley and LeRoy Arns, from the Apprentice School, stealthily found their way into the home of two sisters, played by Emma May Hill, of the Distribution Department, and Lucille Sarrazen, formerly of the Pay Roll Department, in order that they might do away with an heirloom which stood in the way of their future, happy marriage with the girls.

Mr. L. W. Duncan, of the Apparatus Engineering Department, 18-4, showed much professional skill in performing the many unique and interesting sleight-of-hand tricks including the famous joining and unjoining of solid steel rings; gaily colored spring flowers bursting forth in bloom from a sphere rotating upon Milady's sun-shade; the clever card tricks, and others too numerous to mention.

The talented way in which Myrtle Spidel, clerk in 19-4; Helen Draper Erb, formerly stenographer for Mr. Corey, 3-3, and Albert Ralston, Ice Machine Department, played "The Pipe of Peace" deserves much credit. The many antiques also lent a quaint charm to the playlet.

An entertainment of a little different

character, Frank Ashbaugh's Majestic Orchestra, was received by a very appreciative audience. The members of this orchestra, who with one exception are our own G-E employees, showed a great deal of skill and technique in the way in which they rendered their several selections.

Others who deserve much credit for their cooperation in making these programs a success are E. J. Kimm, who has directed "The Red Parasol" and "A Pipe of Peace"; Karl Geller, who directed "A Pair of Burglars"; Paul Spiegel, who has so willingly played accompaniments on various occasions, and I. H. Freeman, who has led the community singing.

There are some good things ahead on the schedule of Friday noon events. If you haven't yet attended any of these you had best do it before the season ends.

Radio Transmitter Lab Now Nearing Completion

THE General Electric radio transmitter laboratory, where our radio engineers will attempt to solve those new problems which are always arising in connection with radio transmission, is now nearing completion.

This giant laboratory, which, including buildings, towers, and antenna systems, spreads over fifty-three acres of ground, is located on the Mariaville road but a short distance from Schenectady. Great steel towers, and smaller wooden masts, now rear themselves skyward, making it possible for the research engineers to string practically any type of antenna which they may need in their experiments. Three 300-foot steel towers form a triangle. From these antenna capable of operation between 600 and 3,000 meters can be strung. A fourth tower, 150 feet high, can be connected with any of this trio for work on wave lengths from 200 to 600 meters. The wooden masts are for work on 15 to 200-meter wave lengths.

The power plant, including a number of high-powered rectifiers for converting alternating current supply into direct current source, d.c. and a.c. machines for filament energy, biasing and for low powered amplifier operation, occupy the largest building. Here also is a dark room for developing oscillograms, and a fully equipped storage battery plant, as well as a central pumping station providing circulating water for all transmitters. Sufficient space has been allotted for two experimental transmitters rated at a maximum of from 50 to 100 kilowatts.

Connected to the main power plant by cables are several smaller structures. These will be used for the development of particular types of transmitters and necessarily are located at a distance from other equipment. The tuning systems for particular types of antenna are situated in small buildings at the foot of the steel towers.

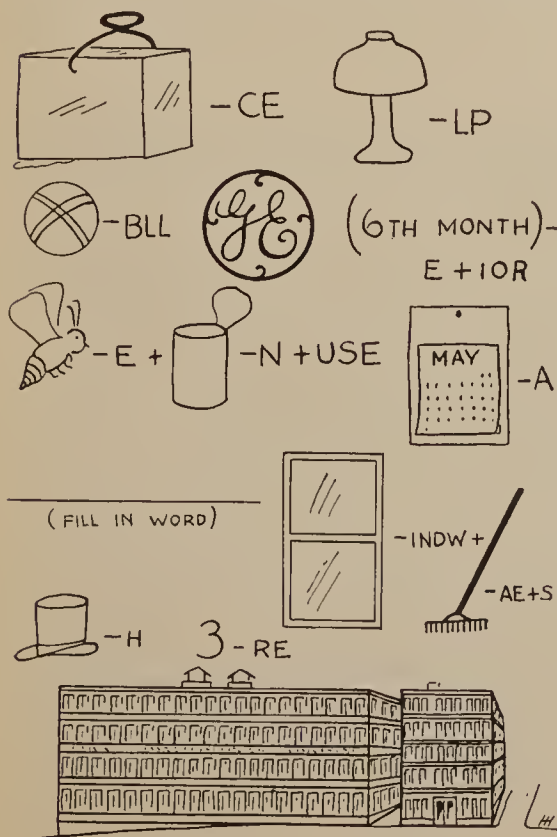
In this laboratory, provided with experimental facilities second to none, practically every type of radio transmission problem which may arise can be studied by Company engineers.

G-E JUNIORS' PAGE

What Do You Think of This?

WITH this issue we are starting a page for you boys and girls, whose fathers, brothers or sisters work here at the G-E. We have thought of calling this the G-E Junior's Page. Do you like this name, or have you a better one to suggest? If you think of one that is better, won't you write and tell us what it is?

Now on this page we shall run some puzzles for you Juniors to work out. One of these puzzles each time we shall call the prize puzzle. Try to solve this month's prize puzzle, for if you are one of the first five that work it out, we will give you a prize. Write and tell us what you think the puzzle means and don't forget to give your name and address, or we would not know how to send you a prize. Tell us in your letter also how you like this Junior page, and don't forget to tell us the name of your relative that works here at the G-E. Perhaps your father, brother or sister, whichever it may be that works here, will send in your answer to the prize puzzle, through our own factory mail. If you send us your answer this way, just write on the envelope Junior Page Editor, Fort Wayne Works News, and it will come to us without any postage stamps. If you send your answer through the United States mail, you must of course address your letter to General Electric Co., Fort Wayne, Ind., for the postman may not know where to find the Junior



THE PRIZE PUZZLE

Page Editor of the Fort Wayne Works News.

We are interested to know how old the boys and girls may be that solve the puzzles published on this Junior page, so won't you tell us your age in the letter that you write us about this prize puzzle.

Of course, you will be interested to know how many worked the puzzle out just right, so we will tell you about it in our very next issue. Also in that issue there will be another prize puzzle for you to try out.

Possibly the prize puzzle will be so easy that you would like another puzzle to work on before we publish our next Works News. Although we shall not give prizes for the answers to this second puzzle, we will be glad to have you try it out. This we will call the "B" puzzle, because the letter "B" is used as the first letter in each word. Work out the answers to the puzzle, and we will tell you if you have solved it.

THE "B" PUZZLE

When solving puzzles, we are all as busy as the "bee." The letter "B" in this puzzle is only used as an initial and to find the answers add to it the number of letters designated and see what you can make out of it.

1. B and one letter, meaning to exist.
2. B and two letters, forming sack.
3. B and three letters, forming a store-house.
4. B and three letters, side of a stream.
5. B and three letters, a young creature.
6. B and three letters, a bag of goods.
7. B and three letters, without hair.
8. B and three letters, surety.
9. B and three letters, timber.
10. B and three letters, a vegetable.
11. B and three letters, a poet.
12. B and three letters, a drink.
13. B and three letters, a globule.
14. B and three letters, a part of a bird.
15. B and three letters, a vessel.
16. B and four letters, an appendage.
17. B and four letters, a tree.
18. B and four letters, to commence.
19. B and four letters, a strand.
20. B and four letters, a receptacle.
21. B and four letters, a kind of meat.
22. B and five letters, a combat.
23. B and five letters, a hound.
24. B and five letters, a signal.
25. B and five letters, a cup.
26. B and eight letters, a demon.

Notice—The editor would like to get in touch with some young woman employee who would like to help out on this Junior Page. This will involve writing and selecting copy, commenting on letters received, and assisting the artist in planning the picture puzzles. Anyone interested should call at office, Building 18-5.

Schedule of Friday Noon Programs

- Feb. 13—Special Stunt, Girls in 26-4.
20—Readings and Solos, Geller Brothers.
27—Play, "Shadows," Elex Club.
March 6—Mock Trial.
13—Mock Trial.
20—Mock Trial.
27—Solo, Mr. Dolan.
Solo, Louise Borgman.
Monologue, Mr. E. J. Kimm.
April 3—Special Program (G. E. Squares).
10—Sacred Concert.
17—Play, Pay Roll Dept.
24—Special Entertainment (E. T. C.).

Mixed Choral Club Recently Organized

A NEW social activity for employees of the Fort Wayne Works was launched Monday noon, January 12, when a group of about thirty signers under the direction of I. H. Freeman, assembled in Building 16-2, as the initial move in organizing a choral club. The plans are for a mixed chorus and that is what it will be if there is sufficient interest on the parts of both the men and women of our plant. The organization will be open to all employees in factory and offices, the only requirement being that the candidates be able to read part music. Practices will be held each Monday noon at 12:20 p. m. in Building 16-2, and will continue throughout the winter months. The first undertaking will be in the nature of an Easter concert scheduled for Good Friday, and will be held in Building 16-2.

The chorus is in need of a pianist, and will appreciate information as to where one may be secured.

G-E Squares Activities During Past Month

THE January meeting of the G-E Squares, held Tuesday, January 8, saw the final rereading and the acceptance of the new constitution. This noble document has been the cause of long and heated debates in the general meetings of the past several months and has necessitated many special sessions by E. C. Thomson and his committee. This constitution is designed in anticipation of further expansion of the organization and as a guide to its activities in the future. The work of "Tommy" in pushing the framing of the new constitution through to a speedy finish is appreciated by the Squares. After the adjournment of the meeting Whitaker, social chairman, the man from Michigan, assisted by Coates and Thomas from Wisconsin, produced a royal spread of sandwiches, pie and ice cream, and the inevitable Java.

The Squares basketball team is away to a fine start for the season. In the 19-15

victory over Building 6, Doeher from Illinois chalked up five baskets to his credit. Regular practice is on Monday nights at Emmaus Hall and Saturday afternoons at Wayne Street Gym. The Saturday afternoon practice finishes with an hour and a half scrimmage against the Wayne Street regulars. This is always a good contest and is bringing the team up to championship form. Come out at 1:30 and get into these practices for at least a few minutes and also have a good time watching the melee.

It is very regrettable that we have one star basketball player, Curtis Baldwin, who refuses to give us his services. More than this he plays on the team against us and directly caused our first defeat, with his long loop shots and unerring eye under the basket. But "wrong will out" as Shakespeare said in "Silas Marner" and Baldy's conscience has brought him back to the fold so that on the night of January 21 he sat with our subs, in civies, however, and gave the team his full support. The vociferousness of this support, Baldy says, is made possible by his training in calling in the stray mules on the high Montana ridges at twilight.

L. S. Branovan returned from his six weeks' sojourn at Decatur, January 17, and Shaftmaster has taken up the student work in small motors at that plant.

Report all broken belts (car or otherwise) to Ed Misegades. Ed has lately been transferred to the position of Safety Engineer assisting Mr. R. F. Smith. Their work is the application of all devices to ensure the safety of employees at their work.

The latest addition to the Squares family arrived to enliven the home of Mr. and Mrs. George Griffin, Tuesday morning, January 6. More loud and melodious wails to assist those of the young offspring of Mr. and Mrs. Harvey Rath. Griffin says it will never sing bass because it isn't that kind. Dorothy Jane is the name of the six pounds, ten and one-half ounces of sunshine of which the proud parents boast.

Our friend, H. M. Osmun ("Osey"), the big boy with the mustache, from Michigan, allowed a cold to produce further developments and so is now at his home in Allegan, Michigan, under the care of his father, who is a physician.

Kenneth Huyette has been appointed to succeed L. O. Adams as instructor of electrical engineering subjects in the Apprentice School. Adams is being transferred to the transformer test department. The apprentice school will undoubtedly benefit greatly by this change. Concerning this man Huyette: it is learned that Lohengrin will have another job playing his famous wedding march (from which no man ever returns) some time when the flowers are beginning to bloom in June or July.

Everybody out to all the meetings!!

There is a wonderful amount of satisfaction in making a good mistake, and then correcting it. If you want to get anywhere in the business world, start something.



L. E. PARRISCH



A. F. STRUBE

Parrisch and Strube Placed on Retired List

On January 1, one of our well-known employees, L. E. Parrisch, of Building 17, was granted a pension and placed on the retired list. Mr. Parrisch was born in Fort Wayne, February 4, 1852, but during the earlier years of his life lived somewhere else. About thirty-three years ago, however, he returned to Fort Wayne, and on December 22, 1902, became a General Electric employee.

Mr. Parrisch first worked in our power plant, Building 9, and later served in the Machine Shop, Building 8. His last years of service, however, have been in Building 17, so that he has come to know quite a number of employees of our Fort Wayne Works. Mr. Parrisch holds up well, under his seventy-three years of age, and we certainly hope that he may long enjoy the pension which has now been granted to him.

Adolph F. Strube, probably one of the best known men in the Meter Department, was retired from active service on pension, effective January 1, 1925. Mr. Strube was

born in Hanover, Germany, on February 29, 1856, and came to the United States in 1881. Seven years later, Mr. Strube came to Fort Wayne and became an employee of the General Electric Company, taking work under M. M. Slattery, who was the engineer in charge. Being a craftsman, Mr. Strube was assigned work on instruments and meters and during the whole of his thirty-five years of service, he has been identified with meter work at this plant. For twenty-five years Mr. Strube was a foreman in the Meter Department, holding this position until four years ago, when he was given an assignment as mechanical instructor in the Meter Department. For six years he has been an active member of the local Quarter-Century Club. Mr. Strube's retirement at the age of sixty-eight is incident to poor health.

Electrical labor-saving appliances in American homes exceed in monetary value the sum spent in one year for face powder, cosmetics and perfumery. That is saying a good deal when it is realized that the latter figure runs to \$750,000,000. There is a total of 20,600,000 home electrical appliances in use, valued at \$782,800,000.



CHRISTMAS PARTY OF EMPLOYEES OF BUILDING 4-4

Decatur Works Section

Decatur Man Wins \$100.00 Suggestion Award

The largest award made during the past month, by the committee on suggestions, goes to Edward F. Boknecht, of our Decatur Works. An award of \$100.00 was given Mr. Boknecht on a suggestion to eliminate the writing of test data on the test tags of the Fractional Horsepower Motors manufactured at the Decatur Works. Mr. Boknecht, whose photograph appears elsewhere on this page, presented this idea in the spring of 1923, but it was deemed inadvisable to use it at that time. However, the idea has since been tried out with so much success that it was extended to the Fort Wayne Works manufacturing motors along certain lines. The elimination of the writing of these test data has meant a considerable saving in time in the Fractional Horsepower Motor Test Departments. It is for this reason that the above award was made and Mr. Boknecht is to be congratulated on receiving the largest award so far given to anyone by the Fort Wayne Committee.



EDWARD F. BOKNECHT
Received \$100 Award on a
Suggestion

Gilpen, Ruth Smitley, Esther Miller, Marcella Gephart, Ruth Ceissler, Ethel Durbin, and Maude McDougal.

Miscellaneous Notes

Miss Ethel Tumbleson, leading operator in the Winding Department, is at present on a leave of absence, visiting friends at Little Rock, Arkansas. Miss Tumbleson left on January 10, and expects to be gone one month.

Fellow-workers of Miss Frances Gault and Charles Lammimann were very glad to see them back at their places in the plant after absences of a number of weeks, because of operations, which they had to undergo.

Miss Alta Smith is now confined to her home, due to sickness. It is hoped that she may soon be able to be again at her place in the Works.

Miss Miriam Myers, center of the girls' basketball team, injured her finger in the basketball game of December 29 at Van Wert, Ohio, and since that time has been unable to play her position on the team. It is hoped that she may soon be able to join her comrades in the game.

Miss Olive Merriman was very pleasantly surprised on January 9 by a present, a silver bon-bon basket from the girls with whom she works in the Winding Department. In extending the present to her, the girls wished Olive many more happy birthdays.

Several of the men who have been working over time have hit on the little scheme of eating their supper together in the club rooms at the plant. Foreman Frank Braun may be credited with the happy idea of having the men enjoy their lunch together in the club rooms.

ATHLETICS

G-E A. A.

Y. M. C. A. Industrial Basketball League Ends First Half in Four Way Tie

As a result of a complete upset of the dope bucket in the last games of the first round of play in the Y. M. C. A. Industrial Basketball League, four teams went into a tie for first place. Most notable was a 21-to-8 defeat handed the G-E A. A. five by the lowly Bass team. Both leading teams, Bowser and Dudlo, were defeated by Wayne Tank and Wayne Knit, respectively. And to make matters worse Pennsylvania forfeited to Horton. The tie will be played off in the near future not interfering with the regular schedule, it is understood. The standing of the teams at the end of the first half follows:

Team	Won	Lost	Pct.
Bowser	5	2	.714
Dudlo	5	2	.714
Wayne Knit	5	2	.714
Wayne Tank	5	2	.714
General Electric	4	3	.571
Bass	2	5	.286
Horton	1	6	.142
Pennsylvania	1	6	.142

Carl Reynolds, the diminutive forward of the green and white, is leading the squad in points scored in the first half of the season. Blincoe, the lanky pivot, is second, followed closely by Groves, who has been playing at a guard position practically all season. The individual scoring of the players is as follows:

Player	G	FG	FT	Tot.
Reynolds	6	21	4	46
Blincoe	6	7	5	19
Groves	7	5	1	11
Biedenweg	4	2	2	6
Fox	2	1	3	5
Bond	6	1	1	3
Steller	5	0	3	3
D. Hamilton	1	1	1	3
Hueber	1	1	1	3
Florence	3	0	2	2
Martin	3	0	0	0
Schlup	1	0	0	0

Y. M. C. A. Industrial Volley Ball League Finishes the First Half of the Schedule

Section 2, composed of players from buildings north of Wall street, by winning both of their games are in the lead in the Intersectional Basketball League. Four other teams, Section 3, the G-E Squares, Section 4, the Small Motor Department team, Section 5, composed of players from Buildings 16, 17, and 18, and Section 6, whose players are from Buildings 2, 3, and 6, have each won one game and lost one game. Section 1, which is composed of players from Buildings 19 and 27, lost both games to date. The league has been having difficulty due

Gecode Club Gives Radio Party

The girls of the Gecode Club, on January 14, gave a radio party for their friends. Immediately after quitting time, the girls of the club enjoyed a delicious supper in the club rooms that was prepared under the direction of the Misses Alta Smith and Frances Meyers. The girls entertained themselves for a while following the evening meal, until later in the evening when invited friends joined them, and the crowd enjoyed the Harry M. Snodgrass concert by radio. At a rather late hour, a delicious luncheon was served. The Misses Esther McIntosh and Arvilla Hendricks were responsible for this treat.

Several New Employees Now at Decatur Works

Somewhat increased demand for the products of the Decatur Works has led to increases being made in the factory force at the plant. During the past month twenty-seven new girls have taken employment in the Winding Department and one new girl has been added to the Assembly Department. Winifred Insley is the new employee in the Assembly Department, and the new girls in the Winding Department are Bessie Strickler, Dorothy Miller, Alta Hahnert, Beulah Beery, Thelma August, Opal Johnson, Ruth Martin, Thelma Peterson, Merle Myers, Gladys Roll, Ida Bollinger, Inez Heller, Anna Metzger, Esther Ray, Ireta Gephart, Iva Marbaugh, Mary Shackley, Pearl Enos, Mabel Geary, Mary Lengerich, Beatrice

to being unable to find a suitable place in which to stage their games. One of the two games played was played at Library Hall and the other at the James Smart School, which is a very undesirable place to play. Strenuous efforts are being made to secure Library Hall for the balance of the games on the schedule and unless favorable arrangements can be made it may be that the league will have to abandon its activities for this season. Considerable interest has been shown this year by the participants and the teams as a rule are much stronger than any time in the past and it is unfortunate that a suitable place cannot be found in which to play. The standing of the teams January 23 was as follows:

Team	Won	Lost	Pct.
Section 2	2	0	1.000
Section 3	1	1	.500
Section 4	1	1	.500
Section 5	1	1	.500
Section 6	1	1	.500
Section 1	0	2	.000

Meter Dept. Bowling League Rolls First Half of Schedule

The Bases, usually at the bottom, upset precedent and finished at the top of the heap in the first half of the Meter Department Bowling League. The Covers finished second, with the various parts scattered around in the column. The Bases had an average of 769 for 38 games. The Registers, finishing last, had an average of 734. The standing at the end of the first half was as follows:

Team	Won	Lost	Pct.	Ave.
Bases	38	16	.704	769
Covers	33	21	.611	755
Pivots	28	26	.519	736
Elements	26	28	.481	739
Terminals	26	28	.481	739
Jewels	25	29	.463	743
Magnets	25	29	.463	737
Seals	25	29	.463	723
Discs	23	31	.426	721
Registers	21	33	.389	734

Bushing was high in individual averages with 174 to his credit for 54 games. Weick was second with 173 and Lawrence third with 171 for a like number of games. Weick's 267 was high for a single game, followed by Bushing with 254 and Thompson with 240.

In the second round of play the Registers, by winning nine games and losing three, are on top of the heap. The Covers are at home in second place. Weick has high individual average with 175, followed by Bushing and Lawrence with 174 and 172, respectively. The standing after 12 games was as follows:

Team	Won	Lost	Pct.	Ave.
Registers	9	3	.750	752
Covers	8	4	.667	752
Discs	8	4	.667	736
Bases	7	5	.583	759
Terminals	7	5	.583	745
Elements	6	6	.500	772
Magnets	4	8	.333	736
Seals	4	8	.333	702
Pivots	4	8	.333	701
Jewels	3	9	.250	710

Y. M. Industrial Volley Ball League Finishes the First Half of the Schedule

Not much interest has been displayed in the Works toward volley ball. However, George Bridges has gotten a team together which has struggled through the first half of the schedule and while not winning many games, have displayed a splendid spirit and are to be commended for their efforts. Due to the fact that many of the teams are composed of basketball players, it worked hardships on the players and it was decided to postpone the second half until some time in March. More and better players are needed for the team and the faithful would appreciate a few rooters at their games. Watch these columns for an announcement of the start of the second half. The standing at the end of the first half was as follows:

Team	Won	Lost	Pct.
Pennsylvania	11	1	.917
Bowser	10	2	.834
Dudlo	8	4	.667
Wayne Knit	6	6	.500
Wayne Tank	5	7	.416
Horton	2	10	.166
G-E	0	12	.000

Barkley Leads Billiard Players For Month of December

Alonzo Barkley, of the Mica and Insulation Department, Building 10-2, was high man in the billiard standing for December and wins the hand-painted derby. Leonard, last month's winner, finished in second place. The standing for December was as follows:

Player	Won	Lost	Pct.
Barkley	15	7	.682
Leonard	25	12	.676
Newlin	15	8	.653
Wolfe	14	8	.637
Doan	14	9	.609
Miller	12	8	.600
Einseidel	10	7	.589
Pillman	8	7	.533
Enders	8	8	.500
Spiker	12	14	.462
Florence	11	13	.458
Snook	9	11	.450
Freeman	9	13	.409
Momper	11	16	.408
Wefel	9	15	.375
Rittenhouse	4	11	.267

Why Not Wrestling?

A year or so ago a weak attempt was made to further wrestling among the employees of this plant. No response was received at that time. Professional wrestling has been marred by the so-called "fixing" of bouts, nevertheless wrestling is a man's sport and can be made a great game.

We have here at the Works Shirley Turnbull, of Building 26-3, who has had considerable experience in the mat game, who is both willing to wrestle anyone in the Works at 120 to 130 pounds and

would like to get a class of young men who would like to learn the game.

John Blakely, Building 4-B, telephone No. 304, has taken this youth under his wing and will attempt to book engagements for him among the employees of the Works. Anyone wishing to learn the game should get in touch with Mr. Blakely at once.

Notes

The G-E team in the Y. M. C. A. Industrial League has adopted for its slogan "Get That Cup."

Volley ball is a game abounding in exercise and sport, yet our team is having considerable difficulty in getting men enough out for a full team. There also does not seem to be much interest shown by spectators. At the start of the second half more people should be at the Y. M. C. A. to see these games.

The G-E team in the Y. M. C. A. Basketball League has augmented the squad by the addition of several stars from last year's team. John Blakely, manager, has his eyes on the cup and does not mean to let it get away from him.

Some of the actives about this plant might ask members of the Meter Department Bowling League how to keep up interest in any particular branch of sport. This league has been going on for practically several years with almost the same personnel with no forfeits to mar their record.

National Conference Street and Highway Safety

ON December 15, and 16, there was assembled in Washington, D. C., the first National Conference on Street and Highway Safety. President Calvin Coolidge opened this conference with the following remarks:

"The National Conference on Street and Highway Safety has been called by the Secretary of Commerce for the devising of means and the making of recommendations toward the lessening of the numberless accidents which now kill and maim so many of our citizens. Few conferences are more opportune or deal with graver affairs. With the deplorable and continuing increase in highway mortality and injury, the time is highly appropriate for a comprehensive study of the causes, that we may have proper understanding of conditions and so may intelligently provide remedies.

"The problem is but one of those inherent in advancing civilization. The increasing demands upon our highways from a growing population, the development of new uses, the imposition of modes of transportation not contemplated when they were created, have brought about congestion, confusion, and conflict, until the yearly toll of traffic accidents has reached an appalling total. If the death and disaster that now fall upon innocent people through the year and over our country as a whole, were concentrated into one calamity we would shudder at the tremendous catastrophe. The loss is no less disastrous because diffused in time and space. The evil you are combatting is so widespread as to be of national concern and we do well to look at it with a countrywide vision. But its solution does not rest in national action. Highway control is primarily for the states, and it is best that this is so. We can-

KEEPING FIT CONTEST

Standing Major Departments—December 31, 1924

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.39	3.39	37.10
2. Meter Department	18.15	12.43	31.50
3. Fractional Horsepower Motor	22.25	18.63	16.10
4. Decatur	6.81	6.22	8.66
5. Contributing Department	20.12	23.17	—15.14
6. Building and Maintenance	11.25	14.13	—25.62
7. Transformer Department	11.25	15.25	—35.60
8. Induction Motor	4.78	6.78	—41.84

not regulate local traffic by Act of Congress. Means to overcome the difficulties, to keep our complex traffic moving with order and safety must be found by the states. It is a proper function of Federal authority to mobilize the best experience in each part of the country that it may be applied elsewhere to the end that rules may be wise and uniform. But uniformity, while of the greatest value and highly advisable, so far as shifting local requirements will permit, should not be imposed by the inflexible fiat of central power. Rather it should come from the common desire of the states to give the highest protection to their people, to regulate traffic in the most efficient manner, with final realization in the attainment of a common standard of perfection.

"This is the high ideal towards which you are striving and your task is the finding and suggesting of methods of accomplishment. You have already done much by impressing upon the minds of our people knowledge of the terrible toll of traffic accidents. The further course of action and regulation will largely depend upon your recommendations. The undertaking is of supreme value, and you have my best wishes in your efforts."

Following the President, Hon. Herbert Hoover, Secretary of Commerce, and Chairman of Conference, in his opening address, said in part:

"I have called this National Conference on Street and Highway Safety at the urgent request of a large number of interested groups from all parts of the country. This meeting has been denominated in some of the press as a 'life and death' conference. It does aim at furthering means to save life and prevent accidents; to make travel safer on our highways for both the pedestrian and the passenger. It certainly is not safe now.

"In the assembly of the conference we have not had in mind primarily either the motorists, the automobile, or the insurance or railway industries, or any other class or particular interest, but rather that we should have representatives here from every interested element of the entire country. If we have lent more emphasis in one quarter than another it has been that we have in mind the people who use the streets and roads, of whom at least 65 percent are at any moment pedestrians. A very large portion of the 22,600 deaths and the 678,000 serious personal injuries which is our annual traffic toll for the last year, have happened to men, women and children on foot. The next largest group who suffer are the motorists themselves who are the victims of reckless driving upon the part of a small minority of vicious or ignorant.

"About 85 percent of our street and highway accidents are due to the automobile, and while the rate of accidental deaths in our country from other causes

has steadily decreased, due to better safety measures, yet during the past ten years our automobile accidents have doubled. This rate has even increased by about 14 percent in the last year. While we must not underestimate the importance of the motor vehicle as a vital part of our transportation system as well as a means of recreation, we must approach this subject in terms of those who are injured."

Interesting statements abound in the further course of Mr. Hoover's address. He gave three methods of approach to the remedy for the existing hazard, namely: First, prevention and safeguard; second, much stronger punishment for violation of the rights of others; third, education of the public to its responsibilities. He stated that but few of our States impose rigorous determination of competence, before licensing drivers; he pointed out the lack of uniformity in traffic regulations, emphasizing this by a statement, that one could be arrested and convicted on a dozen counts, if one were to follow either Washington's or New York's traffic regulations on a drive between Washington and New York City. He asserted his belief that the majority of motorists are conscientious and competent; that it is the inconsiderate, the careless, the incompetent, who are bringing the dangers—25 to 50 percent of all accidents being chargeable to them. Careful, conscientious motorists, as well as pedestrians, are their victims, and here Mr. Hoover pointed out that the pedestrian is not free from contributory negligence. There are the careless and reckless among them, says Mr. Hoover, and the motorist should conduct himself as if everything else on the road was born foolish. After expressing confidence that we should see a steady reduction in the accident rate, Mr. Hoover closed by stating that if we save the life of one child, all the money and all the time and effort expended in past or the future will be well worth while.

The conference adopted a twenty-seven-page comprehensive report which is in the Works library touching on matters of legislation, administration, and suggestions for cooperative work, winding up with a definite program for future activities. The work of this conference should be the beginning of concerted action on the parts of everyone concerned toward curbing the menace of street and highway accidents

which has grown to the serious proportions, indicated in the fore part of this article.

A Bit of Humor From Foremen's Conference Meeting

Mr. Evans told the following story about Mr. Barnes when he purchased his first auto and started to Decatur:

Mr. Barnes (to farmer): "Is this the Decatur road?"

Farmer: "I don't know."

Mr. Barnes: "Perhaps this is the Bluff-ton road."

Farmer: "I don't know."

Mr. Barnes: "You don't know much, do you?"

Farmer: "I don't know a helluvalot, but I ain't lost!"

Oscar Weitzman, to be sure the management would know that he was present, gave an apprentice a tip to call him on the phone quite regularly. The plan worked beautifully twice, but the third time proved a failure because Heiny Schnurr's lady friend was on the wire. Heiny evidently expected the call as he crawled under the table rather than go around to get to the phone.

Walter Crise stated that his ambition was eventually to lose the earmarks of a farmer and finally be identified as being in the electrical industry.

Are you making yourself bigger than your job, or are you listlessly letting your job be bigger than you?

Are you using the brain that is above your ears for all it is worth, all the time?

If not, why? He who stands still is going behind, because others pass him.

—The Three Partners.

Fear has shut the door of success in the face of millions.

If by chance you have been missed in the Bond Sale Campaign, see your Foreman at once. Everyone who will have been with the Company at least six months on Friday, February 28th, is entitled to subscribe for bonds. The last date for subscriptions is February 14th, but you should enter your subscription early in the week.



Making cloth by the mile

Your great-grandmother clothed her family by means of her own hand-loom. It was hard, slow work — making three yards of cloth between dawn and dark.

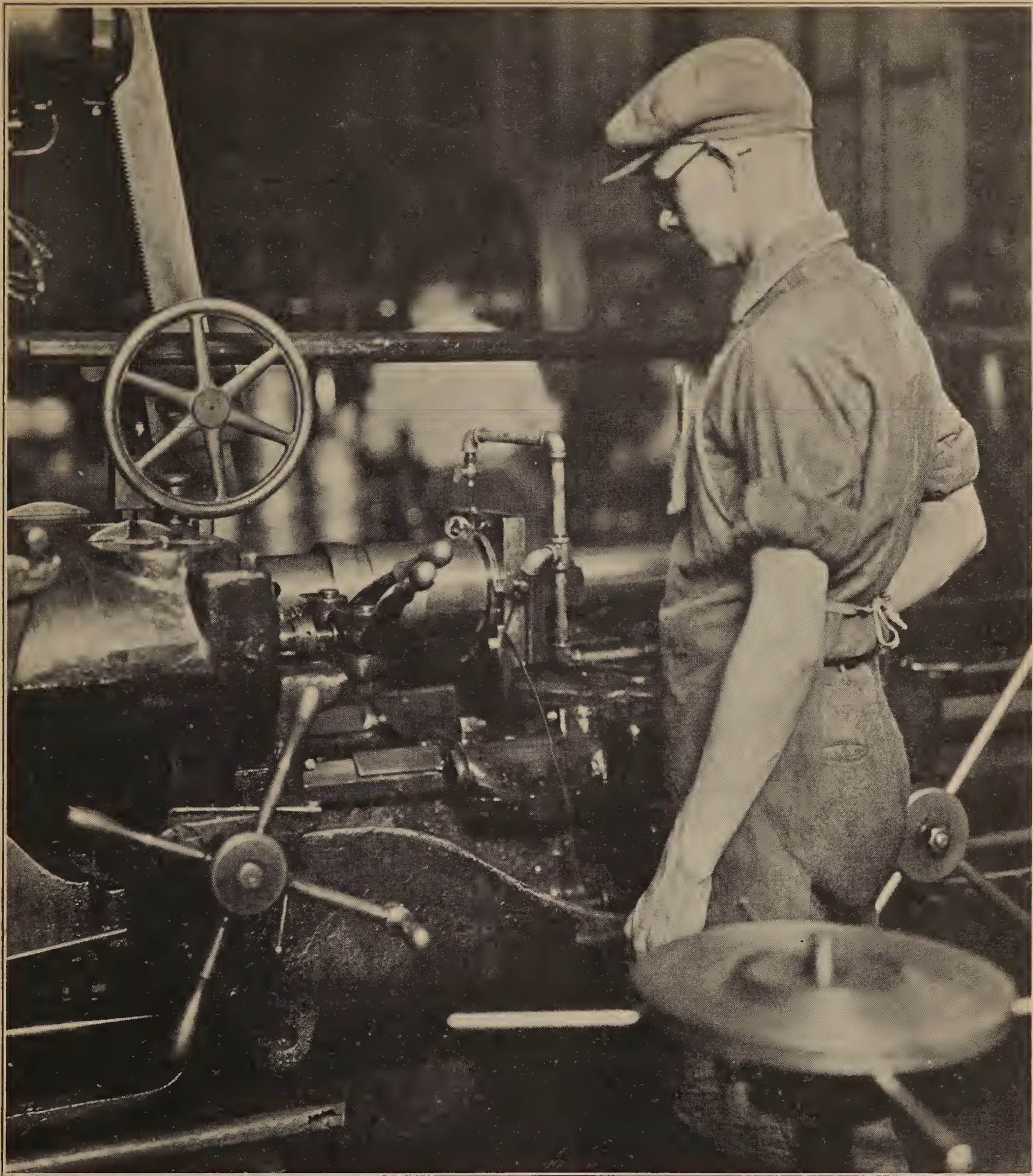


The first electrically driven textile mill was put in operation by the General Electric Company in 1894. Today General Electric motors apply approximately 75 per cent of all the electric power used in the American textile industry.

Smooth-running G-E motors drive the modern loom. You have heard it said that “a miss is as good as a mile.” The Miss who operates this loom is good for *two miles* of fine cloth a week.

GENERAL ELECTRIC

One of a Series of G-E Advertisements Now Appearing
in General Magazines



Vol. 9, No. 3

March, 1925

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



End Rings

IMPROVEMENTS in the way of doing things are ever in demand, hence our suggestion system. Of course many improvements are worked out and put into effect by those who are primarily employed for such developmental work and therefore are not developments which entitle the originators to awards under the suggestion system. It was appreciation of the fact that all the good ideas would not spring from the minds of a select few, but instead were likely to come from those who primarily were giving attention to various matters, that the suggestion system was instituted.

On the cover this month we show an improved method of making the end rings for fractional horsepower induction motors. It involves winding or bending a strip of copper edgewise into a ring. A great number of turns of the copper strip are wound on the special arbor as shown in the photograph, these being cut later into single turns on an auxiliary machine, each turn forming one end ring for an induction motor.

To appreciate this method of manufacture we must go back to the old process of making end rings. This was to punch these rings out of sheets of copper. As the ring is relatively of small cross section the old method wasted more copper stock than was actually utilized in the end rings and sheet copper stock is expensive. This improved method of making end rings is therefore effective in keeping down the cost of our product.

Now although this change of method of making end rings is not the result of a suggestion entered for an award, yet it illustrates what was inherently for years a subject worthy of study and development on the part of any employee who might have observed the handicap in the old method of making end rings. If a workman in the shop or an office worker other than one who is employed particularly for such developmental work, could suggest some such simple method of further lowering the cost of our product there would be a handsome award in it for him.

And don't think for a minute that everything about us is done in the ideal way. As time goes on there will be radical improvements here and there in methods of manufacture used in our shops. The field around us is full of opportunities. If we keep our eyes open and our minds alert, we may profit handsomely thereby.

Harry Todd is the young man operating the copper end ring winding machine in Building 4-1.

President Gerard Swope Reviews General Electric Company's Contributions to the Public, Its Employees and Its Stockholders

Statement Issued to the Stockholders January 15, 1925

TO adequately measure the service that a corporation renders, and the contribution it makes to the community, the question must be considered from three points of view:

First, from the standpoint of the public;

Second, from the standpoint of the employees;

Third, from the standpoint of the stockholders.

From the standpoint of the public:

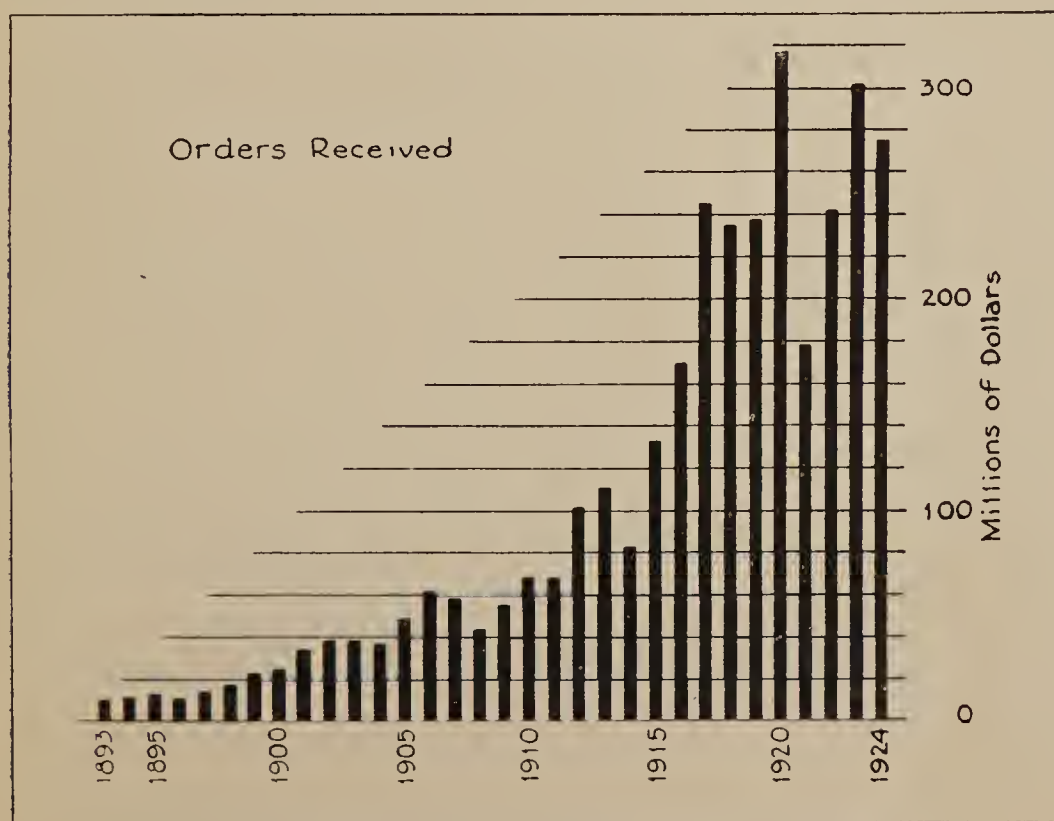
It is difficult to measure the contribution that a corporation makes to the industry and the public at large in any one year, as this may be in the nature of preparation for contributions which have not yet come to fruition, or may be the result of work of previous years that is then coming to fruition. An example of both of these is the contribution of the research laboratories of your Company, in the development and constant search for improvements of the incandescent lamp, which have so largely increased the efficiency of lighting and materially reduced its cost. Closely

allied to this have been the research and engineering along the lines of radio, including the high-frequency alternator successfully used for transoceanic radio communication, and also the research leading to the invention of the radio tubes, or radiotrons, which are embodied in the radio receiving sets so widely used throughout the world today.

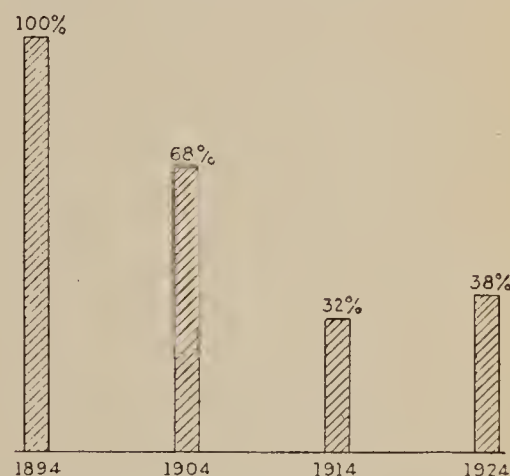
Each year new accomplishments are announced for which many years of preparation had gone before—for instance, the Coolidge x-ray tube and fused quartz with their great possibilities of usefulness in promoting health and in other directions, and the mercury boiler and turbine, which will further increase efficiency in the production of electricity from heat.

Your Company, from the beginning, has been a noted contributor toward the increase of efficiency in the generation of electric power. Twenty years ago the efficiency of conversion of the energy of coal to electricity was a little over 10 per cent. Since that time, the efficiency of

the turbine has been greatly improved; much larger units have been introduced; higher degrees of steam pressure and superheat with better auxiliary conditions have been adopted; so that we now realize an efficiency of conversion of approximately 19 per cent, an increase of about 90 per cent. We now seek to gain a kilowatt of energy from a pound of good steaming coal, which means an efficiency of 24½ per cent in the conversion of coal to electric power. Looking forward to the introduction of the mercury boiler and turbine, it is expected that these will further increase the efficiency of this conversion to 33 per cent, or more than three times as much as twenty years ago. What this means to the industry, and more particularly to the public as a whole, may be gathered from

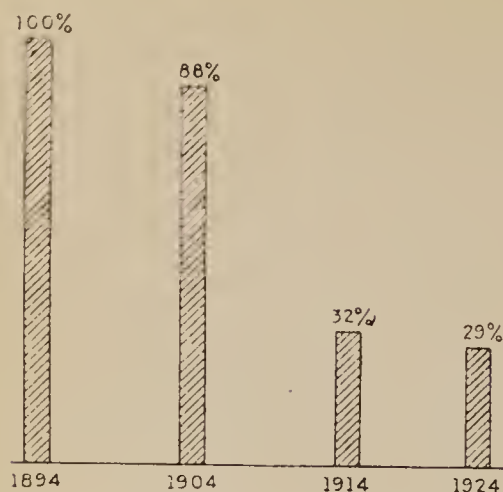


**Thirty-one Years' Record of Orders Received by General Electric Company
From 1893 to 1924 Inclusive**



**Reduction in Selling Price of a 10-H. P.
Electric Motor Since 1894**

the following: In 1919, the average of the electric central stations throughout the United States was 3.2 pounds of coal to produce a kilowatt of energy. In 1923, the efficiency of the turbines and other apparatus in use in central stations had been so increased that the average was 2.4 pounds per kilowatt of energy, an improvement of 25 per cent. This is equivalent to a saving of 15,000,000 tons of coal per year, or \$50,000,000 in the cost of coal alone, not taking into consideration the attendant advantages that this saving implies in the freeing of labor—human effort in the mining, transportation, and handling of coal—as well as the capital required for these operations.



Reduction in Cost of Incandescent Lamps to the Consumer Since 1894, Resulting from Improved Efficiency of Operation and Reduced Cost of Manufacture. This Statement Does Not Take Into Account the Greatly Reduced Cost of Electric Current.

The specific contribution, to be measured in dollars and cents, which your Company has rendered during the two years 1922-1923, consists of the improved efficiency of the apparatus furnished, with its consequent reflection, sooner or later, in the cost of service, and also the reduction in prices of products sold, such as transformers, motors and other apparatus, and incandescent lamps.

Assuming the price of motors in 1894 as 100 per cent, the chart shows that twenty years ago, in 1904, the price of a 10-horse power motor was approximately two-thirds of what it was in 1894 and in 1914 a little less than one-third of the price in 1894. It will be noticed on the chart that since 1914 (pre-war), selling prices have increased somewhat, but in no way comparable to the increased cost of labor, material and merchandise in general.

The incandescent lamp chart shows somewhat similar results, with the difference, however, that in 1924 the prices of incandescent lamps are less than they were before the war.

The value of the increased efficiencies and reductions in prices in these two years amounted to an average of more than \$23,500,000, or 10 per cent of the average annual sales billed. In 1922 the total sales billed by your Company amounted to \$200,194,000 and 1923 to \$271,310,000, an increase of 36 per cent.

From the standpoint of the employees:

1. All payments to employees in the nature of salaries, wages, etc., or, in other words, all compensation for services rendered, amounted in 1922 to \$87,448,000, and in 1923 to \$120,601,000, an increase of \$33,153,000 or 38 per cent. During these two years the average number of employees was 61,638 in 1922 and 74,912 in 1923, an increase of 22 per cent. Thus it will be seen that the average earnings per employee increased from \$1,419 in 1922 to \$1,610 in 1923, or 13 per cent more in the average pay envelope.

2. Every effort has been made to improve the conditions under which the employees work by keeping the shops clean, light, well ventilated, and sanitary, and

giving particular study to their protection against accidents. Well maintained emergency hospitals are provided with Company physicians available, and there are also numerous rest rooms for women workers with nurses or matrons in attendance. Clean, efficiently conducted restaurants have been established for employees, where wholesome meals are served at minimum cost. Recreational opportunities in a wide variety of forms may be found at the different manufacturing plants.

3. Every possible encouragement is given to employees to improve themselves through educational courses provided for shop apprentices and student engineers. There are also classes in stenography, arithmetic, accounting, commercial law, business administration, drafting, metallurgy, etc., and instruction for aliens in the English language and in the principles of American government. Students in the last named courses are encouraged and aided to become American citizens. Large libraries at the Works are available to all employees.

4. In recognition of the value of continuous service, the Company gives all employees receiving less than \$4,000 a year, of five or more years continuous service, annual supplementary compensation equal to 5 per cent of their wages or salaries, either in cash or G-E Employees' Securities Corporation bonds, as the employee prefers. For the year 1924 these payments will approximate the substantial sum of \$2,330,000.

5. In addition to a pension system for veteran employees, the Company provides death benefits in favor of dependent relatives, in amounts varying from \$500 to \$1,500, according to the term of service.

6. The Company has also developed an effective plan for assisting employees in

the purchase or building of homes. Although this plan is relatively new, houses having a value of over \$2,000,000 have already been financed under it.

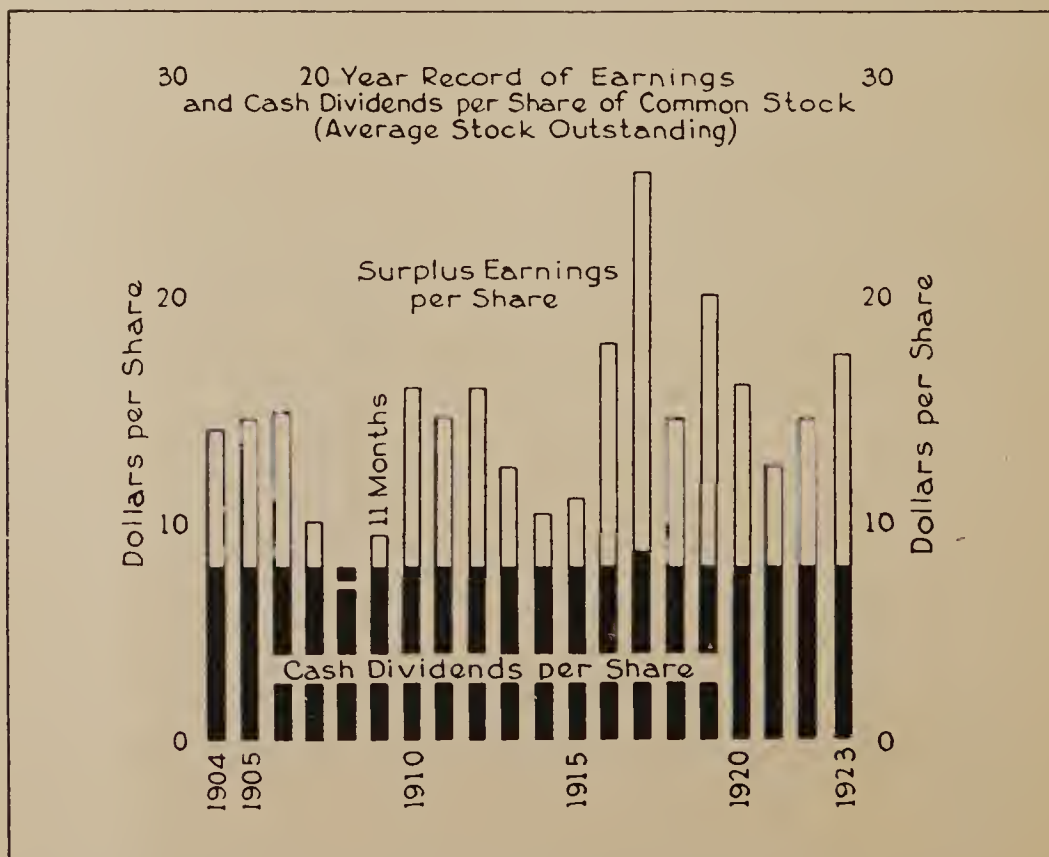
7. In 1920, 50,000 shares of the common stock of your Company were offered to employees on a monthly payment plan at a subscription price of \$136 per share. More than 10,000 employees completed their payments and received over 46,000 shares.

8. In the years 1919, 1920 and 1921, Employees' 7 Per Cent Investment bonds were offered to employees, who thus acquired an aggregate of \$9,736,000.

9. In order to encourage and enable employees to continue the habit of saving, your Company organized in January, 1923, the G-E Employees' Securities Corporation. Your Company owns all of the capital stock of this corporation and its funds are invested in the securities of the General Electric Company and in electric public utilities in the United States. G-E Employees' Securities Corporation 6 per cent bonds are purchased by your Company and sold to employees in units of \$10, for cash and on a monthly payment plan. So long as the employees retain their bond, the General Electric Company adds 2 per cent to the 6 per cent paid by the G-E Employees' Securities Corporation, making an 8 per cent investment. The bonds can be redeemed at any time and partial payments are refunded upon demand. A maximum of \$500 per year is set upon individual subscriptions.

The management of the G-E Employees' Securities Corporation is entrusted to a board of fifteen directors, seven of whom are elected by and represent the bond holders, who are employees.

At this time (and in less than two years of the operation of the plan) about 23,000.



Twenty Years' Record of Earnings and Cash Dividends Per Share of Common Stock of General Electric

or 33 per cent, of all employees own or have subscribed for bonds having a value of nearly \$15,000,000.

From the standpoint of the stockholders:

For more than twenty years your Company's return to its stockholders has been regular and uniform—never less than 8 per cent in cash; and in the last few years this has been increased by the inauguration of the policy of paying 5 per cent stock dividends in special stock and 6 per cent cash dividend on the special stock thus issued. In addition, there is the increase in the surplus as shown in your Company's reports. This surplus belongs to the stockholders but has been left in the business as a protection for their investment, which, in turn, protects the employees.

For the year 1922, the net profit available for dividends amounted to \$26,231,000, and for 1923, \$33,525,000, which are 13.1 per cent and 12.4 per cent respectively on sales.

The electrical industry is young; it is constructive and forward-looking, and adds much to the happiness, contentment, and material well-being of the people. There is no reason why it should not continue to make large contributions to the public in the way of diminished human labor, increased efficiency, and lower cost of service. There is no reason why it should not pay a fair return on the money invested by its stockholders and to those who are spending a large part of their lives in the business—the employees.

It is quite within the limits of possibility to pay higher wages and at the same time increase the contributions of your Company to the public and pay a fair return on the investment of the stockholders. This must come about through improved methods and lower costs, which means, of course, that increased compensation must result from greater production by the workman at the bench, the clerk at his desk, and the executive in his dealings with the organization and the public.

M. B. A. Section No. 26

Reports Membership Status

AT the time of the recent general survey of M. B. A. sections in regard to the status of their membership, Section No. 26 was in a period of reorganization, and the officers were not in a position to furnish information. Under date of February 12th, C. A. Hartman, the chairman, and A. R. Vegalus, secretary-treasurer, report for Section No. 26 as follows: Number of employees in district, 215; number of M. B. A. members, 200; per cent of employees belonging to M. B. A., 93.

Three of the fifteen employees who are not members of the M. B. A., are over the age limit and are therefore not eligible; hence this section has a very good record from the standpoint of M. B. A. members.



L. A. ERICKSON

Received \$200 Suggestion Award

L. A. Erickson High Man in Local Suggestion Awards

Twenty-Two Other Awards Granted

THE committee on suggestions announces the following awards made on suggestions up to February 25th:

Leonard Erickson of the Small Motor Inspection Department, an award of \$200.00 on a new method of packing vacuum cleaner motor parts. Mr. Erickson's idea involved the design of a corrugated paper packing box having separate compartments, somewhat similar to an egg crate in construction. By this method we are able to pack twenty-five fields or armatures in one box. The use of this design has reduced the cost of the box and has also reduced the labor of packing. A photograph of Mr. Erickson appears above.

Cleo G. Greek of the Wire and Insulating Department, Building 17-3, an award of \$10.00. Mr. Greek devised a guide rod for the No. 3 American Wire Insulating Machines to keep the wire from coming off the pulleys. This device has been in successful operation for the past two months.

Bernard J. Lauer, an award of \$10.00 on a suggestion to provide an oxy-acetylene cutting torch at the band rolling machine in the Tank Shop, Building 27. Mr. Lauer is an employee in the above department.

Charles Resler, an award of \$10.00 on a suggestion to place a reversing mechanism on the oxy-acetylene circle cutting machine located in the Blacksmith Shop, Building 27. Mr. Resler is an employee in the above department.

Archie Sheean of the Transformer Connecting and Boxing Department, an award of \$10.00 on a suggestion regarding a new method of anchoring cables for certain styles of WSO transformers.

Leo F. Didier, an award of \$10.00 on a suggestion to substitute steel in place of brass for the spacers used on phonograph motors. Mr. Didier is an employee in the Meter Production Department. He also received an award of \$5.00 on a similar suggestion to substitute steel for brass on

certain screws which are used on the phonograph motors.

William Shutt of the Tank Shop, Building 27, an award of \$5.00 on a suggestion to use stops on the brake used for bending WSO tank sides.

Stephen Kinirk of the Induction Motor Assembly Department, Building 19-1, an award of \$5.00 on a suggestion to repair the assembly benches used in the above department.

Tony Houck of the Detail Department, Building 2-3, an award of \$5.00 on a suggestion to provide a cable stripping machine for stripping the insulation from large cables.

Arthur McNamara of the Meter Winding Department, Building 19-4, an award of \$5.00 on a suggestion regarding a rack for holding the wire used in making 50 and 75-ampere current coils for meters.

The following persons were given awards of \$5.00 each on safety suggestions:

Miss Lillian Courtney, Building 4-5, a guard for winding machine tension rack No. 2899, located in Building 4-5.

Ed Klomp, Building 4-5, a guard for scrapping lathe No. 3908, located in Building 4-5.

Edwin Lepper, Building 19-1, a guard for centering machine No. 6515, located in Building 19-1.

Ray E. Mutton, Building 19-1, a guard for gear on milling machine No. 7814, located in Building 19-1.

Ralph K. Miller, Building 4-5, a guard for grinder No. 11203, located in Building 4-5.

J. E. Barrand, Building 4-3, a guard for belt on lathe No. 10530, located in Building 4-3.

Chris Doenges, Building 17-2, a guard for gears on Potter and Johnston machine No. 2850, located in Building 17-2.

Glen Billman, Building 19-1, a guard for circuit-breakers on welding machines in Building 19-1.

C. Pfeil, Building 4-4, installing hand rail on stairway to men's toilet, Building 4-4.

Ward Staley, Tool Coop Building 4-5, a guard for grinders No. 13484 and No. 10154, located in Building 17-3.

Ralph Heminger, Building 4-4, a guard for three-phase panel on brake No. 9894, used in Building 4-4.

Joseph Pequignot, Building 7-2, a guard for fan motor coupling in Building 7-2.

Elex Club to Give Party and Play

The Social Committee of the Elex Club is planning a Mother and Daughter Party to be given at the Y. W. C. A. some time in March. This will be the second annual affair of its kind for Elex and a lovely time is anticipated. Please watch for the definite date.

Elex Club is making arrangements for a play, "The Hoodoo," to be given probably the first week after Easter. Mrs. Frances Long is coaching the play and with her talent we are assured of success.

Our Works Soon To Have Automatic Telephone Equipment

Other Electric Control Systems to Be Extended—New Exchange Will Be Placed in Building 20

OUR Works is to have automatic telephones, similar to those which are being installed in the city. The change over of our telephone system from the manual to the automatic will probably occur at the plant at about the same time as the change over of city phones, which will probably take place early this coming summer. If so, it will not be so very long until our ears will become accustomed to the whirl of the automatic dials, as we call our co-workers on our inter-department phones.

The change in the city to the automatic system comes just at a time when we find it necessary to put in new equipment in order to enlarge our Works' telephone facilities.

Fourteen years ago, when we moved into the "new office," Building 18, we advanced from the class of single position private telephone exchanges. At that time a brand new two-position, two hundred line board was installed in what is now a corner of our present telephone exchange. Seven years later, in 1918, this board had been outgrown and our present four-position, Western Electric board, with a capacity of 420 lines was installed. Now after another seven years, we have grown to the limit of the four-position Western Electric board, with 420 lines and approximately 125 extension phones and fourteen outside trunk lines, nine of these to the city, three

long distance, one directly to the Dudlo Manufacturing Company, and one to our Decatur Works.

For meeting the necessary expansion of our telephone facilities, the automatic system has been decided upon as it seems the most practical.

With the expansion of our telephone system will be included expansion of other electric control systems, such as the fire alarm, the watchman supervision, time clocks, auto call, etc. This expansion will require new quarters in a fire-proof building centrally located, where the exchange will not interfere with the expansion of manufacturing departments. Building 20 meets the requirements admirably, and accordingly the south end of the second floor of that building is being rearranged to accommodate the automatic board, the outside or long distance board, and the boards for control of the other electric control systems. There will also be the battery rooms, rest rooms, etc.

The new automatic telephone equipment will be arranged to accommodate at the start 500 phones, with an ultimate possible extension to serve one thousand phones.

Operators will be required only for handling long distance calls, incoming calls and information service. Two day operators and two night attendants, working alternately will be sufficient to handle

the service under the new system. At present we have five day operators and two night men, so there will be an appreciable reduction in the operating force. The present day operators are the Misses Frieda Lichtsinn, Pauline Ridenour, Irma Stellhorn, Cleo Miller and Mrs. Frances Long, Miss Lichtsinn being the chief. A. J. Kelly and L. H. Niemeyer are the two men who look out for the telephone and other electric control service during the night.

The new telephone number for the Fort Wayne Works will be "Anthony 2441." After the automatic city phones have been placed in service, you will need this number in order to call the Works from an outside phone.

Chester Lichtenberg Addressed February Meeting of A. I. E. E.

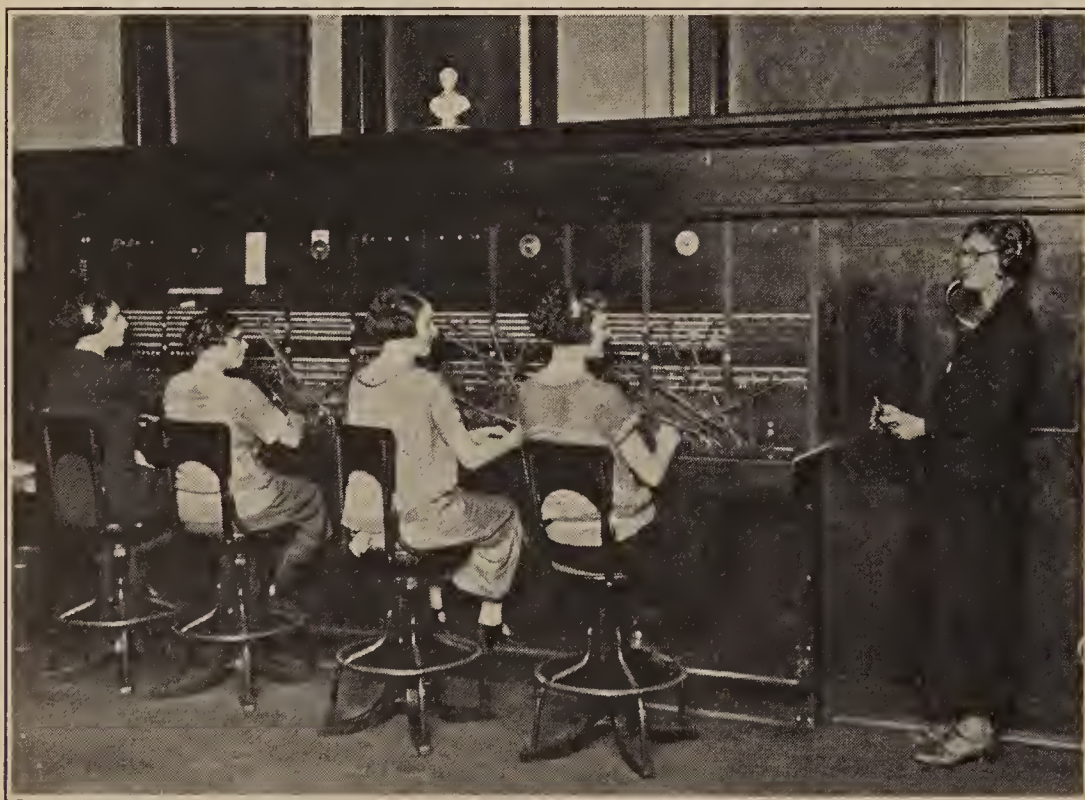
THE feature of the February meeting of the Fort Wayne Section of the A. I. E. E. was an address by Chester Lichtenberg, head of the Automatic Station Division of the General Electric Company, on the subject, "Automatic Stations and Their Remote Supervision." After giving an outline of what the automatic equipment is designed to accomplish and the general operating principles, Mr. Lichtenberg described in detail the operation of the individual parts. This portion of the talk was illustrated by many interesting slides and two reels of motion pictures. The pictures showed not only the equipment, but also the different types of stations, one being that for service without particular regard for the appearance of the surrounding countryside because of its inaccessible location, and the other type built primarily for service, but with due regard for the surroundings which, in one case happened to be beautiful homes in the residential section of Los Angeles, the station being built with sound-proof walls.

The second section of the talk covered the remote supervision of automatic switching. Equipment was described, showing how fifty switches could be operated and a signal flashed back through a one-unit panel and four connecting wires. Supervision on each switch is practically continuous as only five seconds is required to check all fifty switches. This is known as the distributor system.

A short business session was held before the talk, during which a report of the Great Lake Executive Committee meeting was given and an announcement made of a special meeting to be held about April 22nd, at Purdue. Prof. Harding of Purdue, invites all local members of the A. I. E. E. to attend the meeting at Lafayette and advises that Mr. Samuel Insul will be the principal speaker.

A discussion of the new building code (electrical section) was started, but due to the limited time available, a committee was appointed to make an examination and report as to whether this organization should go on record as supporting it or whether other recommendations should be made.

At the conclusion of the talk the Entertainment Committee supplied refreshments and smokes. Total attendance was seventy.



PRESENT TELEPHONE BOARD AND OPERATORS

Pauline Ridenour, Cleo Miller, Frances Long, Irma Stellhorn and Frieda Lichtsinn, the Chief Operator.

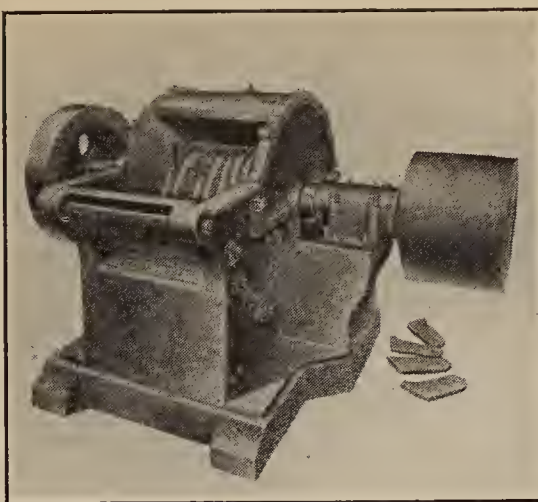
Salvage of Scrap Wood An Industrial Economy

The Wood Hog Does Its Part

IF you should happen along the south side of Building 10, during working hours, you probably would see a man with a sledge, breaking up damaged packing boxes and throwing the boards down into a chute. You would notice that the steady hum, which was issuing from the little house covering the chute changes into a wild smashing and banging noise whenever the workman throws in a board. The noise sounds like everything is going to pieces, and that is exactly what is happening, so far as the board is concerned which goes down the chute. The board lands in the scrap shredder, or "wood hog" as it is commonly called, and it is a real hog for wood. All of the wood that accumulates about the plant is fed into the so-called "wood hog," and the "wood hog" virtually makes mince meat of it. Nails, which have held the packing boxes together, and the straps of iron that strengthened the packing boxes all go through with the boards. The "wood hog" growls a bit fiercer perhaps, and makes a bigger clatter about it, when it is fed a board to which is fastened a piece of strap iron, but it chews away and soon tears the metal into small, tiny bits. Everything is chewed up that this monster gets into its maw.

More interesting, if not so awe inspiring, is that which happens to the wood when the "wood hog" gets it chewed up. First, the nails and pieces of metal strap iron are separated from the wood, their weight causing them to drop through a small trap in the bottom of an inclined chute through which the shredded wood passes on leaving the "wood hog." Then the wood is blown through a long chute to the power house some 200 feet away and is dumped into an immense hopper in the top of the boiler room. Here the shredded wood is mixed with shavings and sawdust from the carpenter and pattern shops, and finally is drawn off from this hopper by chutes which drop it on the grates of two of the big power house boilers.

Two tons of scrap wood have about the same heating value as a ton of coal, and it may surprise you to know that there is enough scrap wood, sawdust, shavings, and other burnable materials about our plant to fire 250 horse power boilers. Considering what it costs to keep a home furnace going on these long winter days and that the home furnace takes only a few shovels of coal during each day, it is obvious that the cost of coal to fire two of these big power house boilers, under which fuel is passing steadily all day long, is some considerable item of expense. Since our combustible scrap is sufficient to keep two of these boilers going, it is evident that there is considerable saving in burning the wood that is otherwise of little value to us. The "wood hog" and its auxiliary conveyors, hoppers and chutes are modern mechanical equipment which help materially in keeping down the expense of running this large manufacturing plant.



THE "WOOD HOG"

Apprentice Carnival To Be Big Event

THE Apprentice Association is planning a mammoth indoor carnival to be held at the Winter Gardens, on the nights of March 12th, 13th and 14th. The heads of the committees in charge report that preparations are being made to handle crowds that are expected to fill the hall.

In addition to the booths having candy, blankets, lamps, dolls and other novelties, there will be fish ponds for the kiddies, dancing for the grown-ups and several vaudeville acts free to all. The booths are to be arranged around the sides of the hall and on the balcony and the rest of the floor space will be reserved for dancing. The music will be furnished by one of the best orchestras in Fort Wayne.

The tickets now on sale will be good for any of the attractions as well as admission and may be secured from any member of the Apprentice Association.

A beautiful prize is to be given to the young lady selling the largest number of tickets, the winner to be announced the last night of the carnival. Any young lady desiring to enter this contest may do so by seeing Kenneth Crabill, Building 18-5, or Donald Thomas, Building 26-5.

Valentine Party and Dance February Activities of Alpha Pi

THE ALPHA PI CLUB entertained with two delightful affairs during the month of February, a Valentine party and a pre-Lenten dance.

The party was given on the evening of Friday, February 13th, in Building 16-2. In spite of the ominous date, the party was one of the most successful affairs put on by the club. The evening was spent in playing progressive "Red Letters" and in dancing. For the former, first prizes were awarded to Emma May Hill and Cecil Lombardo. Luella Mueller and Clarence Biedenweg came out on the short end of the score and received the booby prizes, which were very appropriate indeed, a tiny powder puff for Luella to use when her nose gets shiny, and a bag of marbles

for "Red" to play with in his second childhood.

The north end of Building 16-2, where dancing was enjoyed for the rest of the evening, was very artistically decorated with red and white streamers, heart and cupid cut-outs, and red lights, all of which gave the room a very festive appearance.

The second Alpha Pi public dance, which was given Wednesday evening, February 18th, at the Moose Hall, proved to be even more successful than the January dance. The famous Unique orchestra again furnished the music for the dancing, which continued from nine until twelve o'clock. A very clever favor dance was the principal feature of the evening. Caps, horns, balloons and many other little novelties were distributed to the jolly crowd of dancers.

Now, you members who haven't been coming out to our affairs be sure to join us at our next meeting. Watch for the announcement of the March festivity!

E. T. C. Athletic Carnival Scheduled for March 20th

THE Electro-Technic Club president, A. C. Hartman, announces that the event for March will be the regular annual athletic carnival to be held at the Moose hall, Friday, March 20th, at 8:00 p. m. The following boxing card has been arranged and there may be an additional bout.

Billy Golden, General Electric,
vs.

Gene Rock, Yellow Cab
Six rounds at 135 pounds

Tommy Tige, Wayne Tank & Pump,
vs.

Kid McConnell, Fort Wayne
Six rounds at 116 pounds

Vern Thompson, Wayne Tank & Pump,
vs.

Bill Walt, General Electric
Six rounds at 190 pounds

Johnny Meyers, Saginaw, Michigan,
vs.

Red Woods, Dudlo Mfg. Co.
Eight rounds at 130 pounds

Nick Ellenwood, Fort Wayne,
vs.

Roy Saylor, Fort Wayne
Eight rounds at 122 pounds

Last but not least, the Battle Royal.

It is expected that this card will be very pleasing to the members as some of the best talent in the city is on the card. The weights range from 190 to 116 pounds, which means that the fan who likes either big boys or little ones will be furnished with entertainment.

The public is invited to this event, and the very low price of fifty cents admission will be charged. All E. T. C. members will be admitted free on presenting their membership ticket to the Secretary, who will be at the door.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Helen Fuhrman.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Verena Miller.....Decatur Works

REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
Alma Olson.....Elex Club
Carrol Blincoe.....Apprentice Association
Fred Duryee.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. F. Hall.....Quarter Century Club
Edward Witte.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
L. O. Adams.....G-E Squares
Mildred Schroeder.....Alpha Pi
Irene Fox.....Absent Employees

Vol. 9 February, 1925 No. 2

THERE is always room at the top for the skillful hands guided by an intelligent brain, and the sooner we understand that our hands are only machines responsive to the commands of the brain the sooner will we stop talking foolishly about distinctions, that old controversy which is responsible for half the hatred and rancor in the world.—*Schenectady Works News.*

THAT George Washington was an advocate of the keeping of records of personal as well as household accounts is evidenced by the following maxims from his pen:

"Keep an account book and enter therein every farthing of your receipts and expenditures."

"Promote frugality and industry by example, encouraging manufactures, and avoid dissipation."

That he believed in thrift but not in miserliness and that he thought economy spells happiness is shown by the following sayings:

"I am no more disposed to squander than to stint."

"Economy makes happy homes and sound Nations. Instill it deep."

"I cannot enjoin too strongly upon you a due observance of economy and frugality."

And the first President believed in reasoning before spending. His maxims show that before he spent his money on an article he always believed in making sure that he needed it. This is shown by his following maxims:

"Reason, too late perhaps, may convince you of the folly of misspending time."

"There is no proverb in the whole catalogue of them more true than a penny saved is a penny got."

Speaking of Service Have a Look at This

On Wednesday afternoon I. B. Terry from the Cleveland office came hustling in with the request for a control panel to use with a 250 H.P., 2,300 V. motor for the Columbia Steel Company, Elyria, Ohio, at the same time advising that he was able to obtain a motor from Schenectady by express, and by this means had beaten our competitors. Would the Switchboard Department help? Sure we would. Before night the engineers had laid out a control equipment from material available in stock. The draughtsmen had the drilling template made up early Thursday and the connection diagram a few hours later. The foremen and boys in the factory stepped in loyally and by working a few hours overtime Thursday night, the equipment was ready for the shippers Saturday morning. Here again, as well as in the Transportation Department, the co-operation was fine, whereby, express shipment was made Saturday morning. Well it was worth it. We not only made a good customer, but created a feeling of mutual confidence between all parties concerned. If you don't believe it, read this:—

Cleveland, February, 1925.

Mr. H. C. Horn,
Switchboard Production Department,
Fort Wayne.
Dear Mr. Horn:

I note from your letter of February —, that you shipped the control panel on Saturday morning.

I wish to congratulate you and express our thanks and appreciation for getting out this panel in forty-eight hours. It beats anything I have yet heard of and much credit is due you.

I might add that this company informs me that from now on they will standardize on our equipment, as the service they received has been so satisfactory that they would not consider anything else, as in times of need we had gone the limit to help them out.

Very sincerely yours,

I. B. TERRY.

GROUP LIFE INSURANCE

Deaths Reported for January, 1925

Employees	Died	Beneficiary
<i>Schenectady</i>		
Lincoln B. Allen	Dec. 24	Wife
Richard P. Van Vranken.....	Dec. 29	Wife
John J. Fitzpatrick.....	Dec. 30	Estate
Charles F. Tufts.....	Jan. 1	Daughter
Clarence W. Russ.....	Jan. 9	Wife
Frank C. Jaquay.....	Jan. 10	Wife
Paul Valachovic.....	Jan. 12	Children
John Zednick.....	Jan. 14	Daughter
Rudolph O. Fichter.....	Jan. 17	Wife
Henry Sinnenberg.....	Jan. 20	Wife
Reed W. Walden.....	Jan. 19	Mother
<i>River Works</i>		
Enos Bowen.....	Dec. 7	Wife
Milton Silvia.....	Jan. 15	Mother
<i>West Lynn Works</i>		
Walter S. Clark.....	Jan. 15	Daughter
<i>Pittsfield</i>		
Nellie Alvord.....	Dec. 25	Daughter
John Driscoll.....	Dec. 28	Wife
Carl C. Hollenbeck.....	Dec. 31	Wife
Charles Watkins.....	Jan. 3	Daughter
Freeman S. Crowell.....	Jan. 2	Wife
<i>Erie</i>		
Ernest Meyers.....	Nov. 28	Wife
George Hinkson.....	Jan. 2	Sister
<i>Philadelphia</i>		
Sidney Focht.....	Jan. 18	Wife
<i>Bridgeport</i>		
Simon L. Danlin.....	Jan. 11	Wife
Total—23 Deaths.....		\$28,550.00

Among Our Absent Friends

Henry Grepke, an employee in Building 26-3, is a patient at St. Joseph hospital, having submitted to a serious operation. The latest report from his bedside is that he is getting along fine and is in hopes of leaving for his home in a very short time. This is good news, Henry, and we all hope you continue to improve so that you can be back with us soon again.

Miss Florence Renkin, also employed in Building 26-3, is confined to her home at 2442 Smith Street, convalescing from an operation which she underwent recently at the St. Joseph hospital. The personnel representative reports that she found Florence improving nicely and very much in hopes of returning to work in the near future. We hope that all these reports are true and that Florence will be back in our midst soon again.

Harry Prine, employed as a buffer in the basement of Building 4, has been quite ill at his home, 2024 Eleyetta Street, following a severe attack of quinsy and other complications. Fellow-workers of Mr. Prine will be glad to learn that he is slowly recovering. We hope his period of disability will not be long and that he will be able to return to work in the near future fully recovered.

Miss Estella Angevine, until recently employed in Building 4-5, is taking a three months' leave of absence, part of which time she is spending with relatives in Milwaukee, Wis. Estella has felt the need of a rest for some time and the latest report is that she has been greatly benefited by the change and is hoping to return to work in a short time. This is good news. Estella, for your presence has been greatly missed in the department.

Friends of Miss Theresa Botts, formerly employed in Building 4-5, will be interested to know that she is having a very enjoyable trip sight-seeing in the west. At the present time she is located in San Pedro, Cal. Theresa has been away on a three months' leave, but finds that this is not ample time to see all the wonderful sights in the golden west, so is planning on remaining indefinitely. We are glad to learn that she is having such a wonderful trip and only hope that she will find time to drop us a line telling of her adventures.

Miss Mary Hummel, time clerk in Building 19-4, has been absent from her duties for some time suffering from the after-effects of lagrippe. We hope that by the time this issue of the Works News is published Mary will have fully recovered and be able to report for work again. Mary resides at 1709 St. Mary's Avenue.

Elmer Harshman, floor credit man in Building 26-4, is a patient at St. Joseph hospital, having undergone an operation recently. The latest report from the hospital is that the operation was successful and that Elmer was feeling fine and ready to receive callers. Good news, Elmer, for we surely will be glad when you can return to work and say you are O.K.

Arthur Thumm, an employee of the Art Department, Building 18-5, is now at his home on the Goshen road. Arthur was a

patient at the Lutheran hospital for two weeks suffering from pleurisy and a lung infection, but was able to be removed to his home recently. The personnel representative reports that he is feeling some better and is very anxious to be able to return to work. We are all very glad to learn that Mr. Thumm's health is improving and will surely welcome him back to our midst.

Apprentice School Enrolls Thirteen New Students

One Apprentice Finished Course in January

THE Apprentice School has been actively enrolling students during the past seven weeks, thirteen new students being enrolled during this time. One apprentice finished his course, January 26th, and there are at this time exactly one hundred apprentices taking work in our local G-E Apprentice School.

James Hartzell, the apprentice who finished his course on January 26th, took the Machinist and Tool-maker course. His work in both shop and class room was creditably done and he was awarded the \$100.00 bonus. At present Mr. Hartzell is working in the transformer drafting section, Building 19-2, under Elmer Zelt. Mr. Hartzell is married and lives at 1915 Florida Drive.

Harold Kiel, James Thompson and Earl Jackson were transferred from the messenger service of the Distribution Department to the Apprentice School training. Messrs. Jackson and Thompson had taken some work at South Side High School and Mr. Kiel had attended the school at Wallen. These boys are taking the Machinist and Tool-maker course.

Richard T. Jeffries, Oscar Zeissig and Wilbur L. Byrely are three other boys who have had some high school work at South Side High before taking up our Machinist and Tool-maker course.

Geo. W. Auer and Kenneth L. Bozer had part of the high school work as given at Central High, coming from there to take up the Machinist and Tool-maker course.

Oscar Johnson, son of Foreman C. L. Johnson, of Building 19-3, had two years at Central Catholic High School, and was employed for a time at the Knitting Mills before coming here to take up the Machinist and Tool-maker apprentice course.

George Hahn had three years' high school preparation at Deshler, Ohio, and Robert Lase, had high school training in Ohio before entering the Apprentice School course for Machinist and Tool-maker.

Ordean Kiltie graduated from the Baltrami High School, Baltrami, Minnesota, in 1923, and came to Fort Wayne to take up apprentice work. He has selected the Electrical Testers course.

Otto B. Fultz graduated from the Akron Indiana High School last summer and by an average grade of ninety-three per cent for his four years' high school work won the Rector Scholarship to De Pauw University. As it was impossible for Mr. Fultz to take advantage of this



JAMES HARTZELL
Recent Apprentice Graduate

scholarship he came here and enrolled on the Draftsman Apprentice course.

We believe these young men are to be congratulated on their ambition and action to fit themselves for better positions in life by taking up special courses of work in our Apprentice School. We shall no doubt here more of these men after they have finished their apprentice training.

G-E Squares

THE February meeting of the G-E Squares was held on Tuesday evening, February 3rd, in Building 16-2. For this meeting the organization was fortunate in securing W. H. Sunier, of the Contract Service Department, who gave a thoroughly enlightening and entertaining talk. Mr. Sunier explained in detail the work of the Contract Service Department in its relation to the customer, both in making the contract, following the product through to its delivery, and handling any complaints that might arise. "The policy of the General Electric Company is very broad," stated Mr. Sunier regarding the handling of complaints of customers. "The Company will go to any lengths to see that their products give satisfactory service." Mr. Sunier also explained the relation of the Contract Service Department here at the Fort Wayne Works to the larger governing department located at Schenectady. The fine spirit of Mr. Sunier exhibited in the preparation and presentation of these numerous interesting facts is appreciated by all the Squares.

During the past month P. S. Stough and his wife have changed their residence to 313-317 West Main Street, where they are now at home.

Everett Thomas, from the University of Wisconsin, has been appointed to teach mathematics and electrical theory in the Apprentice School. He began this work January 29th.

The Squares regret the loss during the past month of two of the members and their wives, Mr. and Mrs. W. R. Carlyon and Mr. and Mrs. H. M. Osmun. They left Fort Wayne February 2nd, and are now living in Jackson, Michigan. Both Carlyon and Osmun are with the Consumers' Power Company of that city.

Carlyon took up engineering work with that company February 23rd, and Osmun began his work in a similar capacity March 1st. Carlyon is a graduate of Wisconsin with the class of '24. Mrs. Carlyon took her college work in Racine College Normal, Racine, Wisconsin. Both Osmun and Mrs. Osmun are graduates of '23, Osmun from Michigan and Mrs. Osmun from Ypsilanti Normal College, Ypsilanti, Michigan. The entire Squares organization wish Mr. and Mrs. Carlyon and Mr. and Mrs. Osmun the highest type of success and happiness in their new work and location.

During the past month two of our old members, Rex Routh and Robert Groot, who are now on the Chicago force of the General Electric Company, have been with us for a few days. Routh and Groot both returned to the Fort Wayne office for a few days on business trips relative to their work in the Small Motor Sales Department.

The Squares basketball team won its first game in the second half from the office team, Wednesday night, February 18th, by the score 26-11.

A Correction—The last copy of the Works News gives the discredit of defeat of the Squares basketball team in its first game to Curtis Baldwin, one of their hoop artists. His playing with the opposing team instead of being likened to the operations of one Benedict Arnold are herewith corrected to read: "As a direct acceptance of a challenge on the part of the Squares team to 'Go on in. We'll trim them anyhow.'" The truth of the matter is that the defeat was due to too much "tale light" as represented by Whitaker and Thomas and not enough "head light" in the person of "Red" Adams. "Red," the "effulgent sun" of the quintet, was not in the line-up.

At a Squares game:

First Girl, enthusiastically—"Oh! Look at that wonderful auburn athlete playing forward."

Second Girl, laconically—"Huh! Put on your smoked glasses, kid. That's just 'Red' with all his henna polka dots in place."

Four hundred thousand persons, more than the population of either Cincinnati or Minneapolis, viewed the big 265-ton gearless electric locomotive of the Chicago, Milwaukee & St. Paul Railroad which toured the eastern part of the country from May to August. The actual total of those who saw the "conqueror of the Rockies," in the thirty-nine cities where it was on exhibition, was 409,753.

The exhibition tour was conducted jointly by the railroad and the General Electric Company, which built this and a fleet of similar locomotives in 1920. The trip began on May 6 at Kalamazoo, Mich., and terminated at Chicago on August 4.

**LOOK WHERE YOU'RE GOING!
GO WHERE YOU'RE LOOKING!**

Be sure it's safe, then go ahead.

Dean Potter's Discussion of Problems and Tendencies in Education

(This is the third and last part of a paper read by A. A. Potter, the Dean of Engineering at Purdue, before the December meeting of the local section of the A. I. E. E. The first part of the Dean's address was run in the January issue of the Works News.—EDITOR.)

EVERY person must be useful, otherwise he is a parasite. The value of a person to society depends upon his ability to perform useful service. For a long time people were of the opinion that all learning was divided into two classes, the liberal and the useful. Liberal education was supposed to have no practical application, while useful learning was considered of no value in developing the mind or the aesthetic tastes of a person. These definitions do not hold true at present, as many of the so-called liberal arts subjects have a practical aspect; also the so-called useful or practical subjects are often based upon science and aid not only in the development of a person's mind but also in acquainting him with human and industrial problems. In general, the aesthetic tastes of a person depend upon many things which cannot be taught by means of lectures or textbooks. However, the proper type of teacher can have a most profound effect in influencing people to become liberally educated whether he is teaching liberal arts or engineering.

Is there sufficient co-ordination between the different steps of our educational system, or are we depriving the youth of the country or previous time by unnecessary repetition? On the one hand we are told that students come to our colleges poorly prepared while on the other hand we listen to testimony from students that college courses in fundamental subjects are repetition of the work completed in the high school. We hear further complaints of duplication applied to different courses in one department of a college. Careful analysis will reveal the fact that both sides are correct. The difficulty can often be traced to the fact that the teacher is not trying to base his course upon the preparation of each student. It is only by a system of sectioning based upon the ability of each student to progress that the above difficulties can be reduced.

Are we striving to keep each student in our educational institutions at his highest level of achievement, are we giving him opportunity to develop in proportion to his capacity, or are we satisfied to have a uniform output without regard to the abilities and talents of the individual? Are we gaging our instruction to the reach of each student or are we setting up artificial standards which disregard the difference in the capacities of human beings for output? Are we offering sufficient incentives for competition in scholarship or are we setting tasks for the average in the group and allowing those at both ends to suffer? Are we not working the exceptional student below his capacity while discouraging the slow student? The problem of the

exceptional student merits careful consideration. Is the intellectual discipline adjusted to his capacity? Greater aid should also be given to the slow but earnest students. Our institutions must have as their purpose the elevation rather than the discouragement of students and the human factory in higher education should receive our most painstaking investigation.

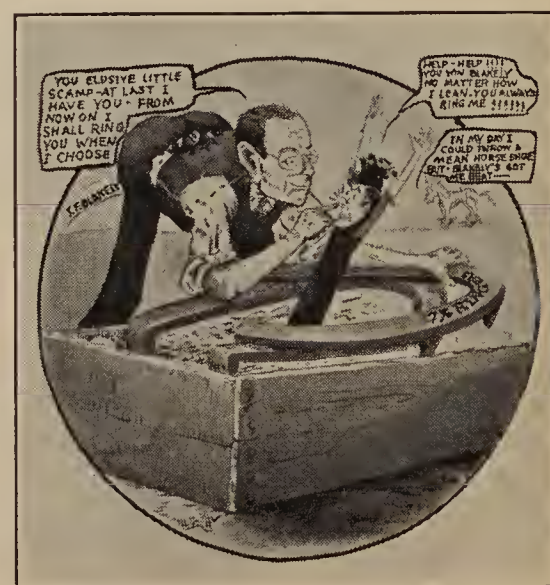
We are living in an age which places a premium on initiative, the power to take the lead, to plan, to originate. Can initiative be developed on the part of students if we limit their training to the past and are satisfied to have them become textbook specialists? Are our methods of teaching developing self-reliance or are we teaching people to place too much dependence upon books? Does not too much prescribed study hinder the development of initiative? Should not educators instill in their students the desire to take new paths, to try new experiments, and to look into the unknown? *Americans are an inventive people.* While the U. S. A. has less than 6 per cent of the world's population our men of genius are credited with more than two-thirds of the epoch-making inventions during the past century. It is impossible to develop the inventive or the creative talents of college students unless they are in contact with teachers and research workers who are leaders in the search for nature's truths. Friends of education can perform a great service to society and to industry by establishing research fellowships and research professorships in our educational institutions of higher learning. Besides developing the creative talents of students research laboratories connected with educational institutions are very valuable for industrial investigations on account of greater freedom from interruptions, an atmosphere which is sympathetic to research, and no necessity to safeguard results by secrecy. Productive scholarship and new knowledge are absolutely necessary to pave the way for advancement and for success of individuals and of institutions of learning.

Are we stimulating scholarship by proper recognition and reward? If the student works hard and earns a good grade, why not encourage him by giving publicity to his achievements in the college paper or in his home town paper? The greatest stimulant for good works comes from the appreciation of one's efforts on the part of his fellowmen. Would not more frequent praise and greater publicity to the work of high school and college students lead to greater enthusiasm on their part for learning? The social status of the good student may be also improved by this type of publicity.

Finally, are our schools and colleges fitting our boys and girls for responsible and effective citizenship? Do they realize that capacity to do carries with it a responsibility to society? Our country needs people who are interested in the common

good and who have the ability to think not in terms of their self-interest but in large units, the units of a state, a nation, humanity. Is our educational system turning out people who are tolerant of the lawful rights of others or do they allow sentiment and prejudice to color their views? Do our boys and girls believe in law or mob control? Do they realize that human rights and property rights are interdependent or are they encouraging class consciousness? What do the graduates of schools know about our government and of other governments? Do they realize the difference between a "government of the people, by the people and for the people," and a government which rules from the top "an autocracy" and a government which rules from the bottom, as exemplified by various forms of "isms." Are teachers impressing upon the minds of our young people the opportunities afforded to Americans as compared to those afforded to people in other countries? Is our school system developing people who are intelligent citizens or men and women who are always ready to spread propaganda in order to develop class consciousness? Propaganda which results in class consciousness is a menace to a free country, whether that class consciousness is of labor or of capital, of high or of low, of rich or of poor, of race or of color, of creed or of ism, of the plutocrat or of the proletariat. We must guard against class consciousness which stands in the way of development of any nation. The proper type of education should develop in our young people obedience to law, a greater faith in humanity, more respect and love for their fellow beings, ability to think straighter, inclination to talk less, disposition to feel more, character to act nobler, and willingness to work harder.

The public will be interested in giving constantly increasing support to education if our schools and colleges are not forgetting their principal aims and are developing citizens who have outstanding qualities of character, superior personalities, men and women who can think, and who are capable to render unselfish service to society.



BLAKELY MASTERS THE GAME OF HORSESHOE



OFFICERS OF THE GECODE CLUB

Esther McIntosh, Secretary-Treasurer; Berneta Tanvas, President; Daisy Girod, Vice-President

Decatur Works Section

WE are pleased to give in our Decatur Section this month, pictures of the present officers of the Gecode Club. Miss Berneta Tanvas, the girl in the center of the group, is the president of the club. She has been working with us for the past two years, "tying" in the Winding Department, insulating cores, and winding armatures. At present she is working at the job of "tying." She is a girl of rather unusual ability and is very popular with her co-workers. At the annual election of officers held last November, Miss Tanvas was elected to the presidency of the Gecode Club by a decided majority and there is no doubt that the club will prosper under her leadership during the present year.

Miss Daisy Girod, the vice-president of the Gecode Club, also began work at our Decatur plant a little over two years ago. Her first assignment was on lead and cable work but she has in the meantime handled several different jobs, always with credit to herself. At present she is assigned to reinforcing work, on starting windings and is very careful not to turn out anything but the highest grade work. Miss Girod has been frequently called on to take charge of banquets held at the plant and the Gecode girls are fortunate in having her as an executive officer of their club.

Miss Esther McIntosh, the secretary-treasurer, was relatively a new employee when she was elected to the office in the Gecode Club. In the two months that she had been an employee at Decatur before she received the election to the Gecode Club office, she made a host of friends. Her selection to the post of secretary-treasurer has been vindicated by her interest in club affairs. She is a hard worker at her desk as clerk in Mr. Lankenau's office, but when the girls get together after hours for a good time Esther is right there ready to carry things through. "Our

Irene Castle" is a term by which the club girls often refer to Esther.

And now something as to the Gecode Club itself. The club girls have a dinner meeting every Wednesday night in their club rooms at the plant, and there is always some good fun when the girls get together. The reduction of working forces during the past year lowered somewhat the number of members in the club, but with the increasing number of employees, the club should grow. There are now twenty-two of the ninety-two Decatur Works girls members of the club. A membership drive which will be held during March, will be directed toward acquainting all the girls of the plant with the advantages of membership in the club, and it is expected that a great many new members will be obtained.

Fred Braun, Yard Foreman, Given Birthday Surprise

On February 10th, Fred Braun, foreman in charge of the yardmen, on return from work, entered the kitchen of his home and was surprised not to find his wife busy preparing the evening meal. Perhaps worried a bit for this reason, he hurried into the dining room looking for his wife, when behold, seated at the table were a crowd of his old pals waiting for him to arrive before starting in with the wonderful dinner that had been prepared. It was a complete surprise to Mr. Braun, but no doubt he enjoyed it as much as anyone there. There were numerous hearty expressions of "Many happy returns of the day," as the guests left the Braun's home long after the evening meal.

Miss Olive Merriman, of the Winding Department, who has been absent from her work for several weeks because of an injury to her eye, expects to be back soon at her place in the plant.

Charles M. Ripley of our Publicity Department at Schenectady, who scarcely needs an introduction to Decatur Works employees, on February 4th told a large crowd at the High School Auditorium of

his 2,500-mile trip by aeroplane over Europe. This talk of Mr. Ripley's is a rare treat, because of the information as to development of air travel in Europe and the wonderful views of the country which Mr. Ripley exhibits on the screen.

Decatur Suggestion Award

Fred M. Engle, Decatur Maintenance Department, recently received an award of \$5.00 on a suggestion regarding placing a fire extinguisher near the hardening furnace.

"And the end is that the workman shall live to enjoy the fruit of his labor; that his mother shall have the comfort of his arm in her age; that his wife shall not be untimely a widow; that his children shall have a father, and that cripples and hopeless wrecks who were once strong men shall not longer be a by-product of industry."—P. B. Juhnke.

ATHLETICS

G-E A. A.

G-E Gets Good Start in Second Round of Y. M. C. A. Industrial Basketball League

After finishing in fifth place in the first round of play in the Y. M. C. A. Industrial Basketball League, the G-E team has won its first three games to start the second half. With the idea of going out and winning the cup, the old reliables were pressed into service and the present line-up looks unbeatable. The team is practically the same as the one which has represented the G-E for years, and should carry the Green and White through to victory. The standing of the teams February 19th was as follows:

Team	Won	Lost	Pct.
General Electric.....	3	0	1.000
Wayne Knit.....	3	0	1.000
Dudlo	2	1	.667
Bowser	2	1	.667
Horton	1	2	.333
Bass	1	2	.333
Pennsylvania	0	3	.000
Wayne Tank.....	0	3	.000

Hueber has come back with a vengeance, leading the scorers with twelve field goals and five free throws for a total of twenty-nine points. Nor has Bruce Hamilton lost his basket eye, sinking nine baskets in three games. The individual scoring of the present players for the first three games follows:

	Games	F.G.	F.T.	Total Pts.
Hueber	3	12	5	29
B. Hamilton.....	3	9	4	22
D. Hamilton.....	3	5	10	20
Groves	3	1	2	4
Blincoe	3	1	1	3
Reynolds	2	1	1	3
Schlup	1	0	0	0
Bond	1	0	0	0

In the first round to play off the tie which existed at the end of the first half of the schedule, Wayne Knit defeated Wayne Tank 20 to 16 in a very close and

(Continued on Page 13)

The History and Development of Machine Tools Told by C. P. Bloomer, Manager Philadelphia Works of Company

THE one certain attribute that distinguishes man from the animal is the use of tools. Savage tribes of men have existed, and may perhaps exist today, who have not the use of fire, which is sometimes given as the distinction between man and the ape. But there is no record of any animal other than man who uses tools to assist his own hands and members.

The race, according to the views of some scientists, developed human characteristics when they had been finally driven through what is now Europe by the advance of the glacier to the shores of the Mediterranean Sea. The choice was plain—either to develop enough intelligence to find shelter, to discover fire for warmth and to develop the use of tools of a sort, or to perish.

Fire may have been secured at first from conflagrations kindled by lightning or from volcanic disturbances. Later on possibly some hairy genius discovered that the rubbing of two sticks together produced warmth and, if persisted, in heat, smoke, and, finally, fire. It is also possible that in the making of the primitive hand tools, such as hammers and so-called knives, sparks were struck which kindled a fire under favorable conditions. At any rate primitive man finally discovered that he could produce fire at will.

The first tools, examples of which are still found occasionally, were exceedingly crude and require the trained eye of the scientist to distinguish them from natural stone formations.

As primitive man discovered that by attaching the branch of a tree to a sharpened stone he could secure a weapon which kept him out of the reach of his adversary, either in the hunt or in defense, he probably also discovered that by putting a handle on his crude hammer or axe head he multiplied the force of the blow he could strike with it.

Gradually, as time went on and the race multiplied, it is likely that game became slightly more scarce and the problem of living began to take form, which brought the necessity for a refinement in weapons and in tools. This brought about the great invention of polishing or smoothing stone spear heads and the like and the art of grinding was born.

One of the first inventions which must have taxed the brain of the man who first evolved it was the bow. It is possible that this idea originated from some natural or accidental occurrence, possibly the rebound of a bent tree. The bow became a valuable addition to his weapons and also in the natural course made its appearance among his tools, at first to speed up the process of obtaining fire by wrapping string around a stick and rotating it rather more swiftly than could be done by hand. The process of fire-making naturally showed that a hole could be made by continued friction. Stone points were sub-



"THE TRAINED EYE OF THE SCIENTIST"

stituted for the end of the fire stick, and in this manner holes could be drilled to a considerable depth without excessive labor. So did the process of drilling and the first machine tool come into being, although not much progress could be made with tools and machines without the use of metals.

Fire being known and probably being kindled in all sorts of places naturally led, sooner or later, to enough fire being kindled among ore-bearing rocks to roast the ore and produce the virgin metal, which in cooling gave primitive man something else to think about. In his efforts to chip it, as had been his habit with stone, he had little success, but undoubtedly he discovered that the metal could be pounded into shape. When he had remembered enough about the conditions which produced it, and the materials used to get it when he wanted it, the age of metals had begun. It was a very short step from smelting the metal and letting it cool, as it would in the bed of fire, to making depressions or molds in sand or soft earth to which it could be led in its molten state, thereby producing the first castings.

The development of the race from then forward was comparatively rapid. The first craftsman or skilled workman is likely to have been a man who, either by age or injury, was no longer able to support himself directly by his own efforts in the chase or in war. It is not difficult to imagine this early mechanic who settles down where his raw material is convenient and makes arrows, knives and whatnot from stone and later on from metals for the active members of his tribe, in return for which service they supply him with meat and skins for clothing and shelter.

The craftsmen, smiths and armorers of early civilization and the Middle Ages descended from this man. These craftsmen, particularly the armorers and the workers in metals, attained a very high grade of skill in the manufacture of arms and armor for their wealthy customers. It might be of interest to know that a complete suit of Milan armor cost the equivalent of \$3,000, which, considering the high value of money, furnishes a good reason why armor did not become more common. These outfits of armor, consisting of breast plate, back plate, greaves or interlocked plates over thighs and elbows and very elaborate helmets, were made up entirely by hand starting from hammered bars of iron, since, of course, there was no sheet metal available. Fine examples of this work are extant in museums in this country, particularly in the Museum of Art in New York City. The skill and patience necessary to form a complete helmet of varying thickness, that is, heavier at the peak or crown than at the sides, from a bar or billet of steel commands great respect.

All of industry so far had been of the family system and was beginning to form into guilds. About this time throughout Europe, particularly where civilization was moving at the highest rate, the craftsmen and mechanics formed a small though rather powerful group. The military power was the strongest single influence, and the man in the street amounted to but little, he having no opportunity for education or training along any line that would make him particularly useful in industry. Some imagination is needed to link up the development of industry, particularly metal working as it exists today, with the battles fought between the French and the English in the fourteenth century. The battle of Agincourt resulted in the complete overthrow of a magnificent French army by a smaller English army in poor condition, and the archers, for probably the first time in history, won the day in spite of their almost total lack of protective armor and poor standing in the community generally. There it was demonstrated that a very ordinary individual with a proper bow and



"MAKES ARROWS, KNIVES AND WHATNOT FOR THE ACTIVE MEMBERS OF THE TRIBE"

some well-made, yard-long arrows with steel heads was more than a match for \$3,000 worth of armor and mankind began to realize that superiority is more a matter of equipment and training than heredity.

With the introduction of gunpowder, metal working became still more a necessity. The first cannon in which gunpowder was used were tubes of leather wrapped with rope. Cast iron cannon soon followed them and it was not long before inventors were attempting to smooth the inside of these cannon by some boring methods. Leonardo da Vinci, in Italy, in the fifteenth century devised several ingenious schemes for boring cannon by mounting them vertically upside-down over a pit and turning his boring tools by means of a windlass with a one "horse" power motor walking around it.

Machine tools did not, however, become a prime necessity until the invention of the steam engine in the eighteenth century. The story of Watts' struggles to get properly made parts, especially cylinders for his engines, is commonly and well known. However, we must remember that some of the things, which are entirely obvious to us, required a great deal of thought to originate. While the invention of the steam engine with its own requirements and the multiplied requirements for correctly machined parts to make up the multitude of machines and processes which it released for the use of the race, was a prime factor in the development of machine tools and processes substantially as we know them, there was a greater factor which brought about this development and which led directly to the manufacturing system of producing interchangeable devices and parts as we know them today. This was warfare. The whole system of interchangeable manufacture was brought about in the early days of the nineteenth century by a few Yankees who astonished the world by making guns and muskets which could be completely taken apart, the parts thrown in a heap and then assembled at random without fitting. Of course, much of this work was accomplished by the use of filing gauges, and hand tools, although machine tools, particularly milling machines, were close at hand.

It had been accepted as the proper thing to have armorers, with their forges and hand tools and probably a few bars of steel, accompany each sizeable detachment of soldiers almost to the field of battle, so that when muskets or cannon were disabled they could be repaired on the spot and the weapon strength of the army kept up. There could be no such thing as spare parts under a system which had no standards and we can imagine that the weapons and parts produced by this hand fitting method were something fearful and wonderful.

In general, manufacture as we know it has certain fundamentals: *First*, a proper conception of what is to be made and how many; *second*, standards, with tolerances which can be taken to produce a satisfactory whole; *third*, tools and equipment to produce these parts to the tolerances set;



"ARMORERS ACCOMPANIED THE ARMIES"

and *fourth*, a system of gauging and measurement by which these sizes and tolerances can be recognized and checked. In the making of most of these gauges and measuring instruments the true craftsman's art is still maintained, as they are largely produced by the precision method and not by manufacture.

Here it is in order to state that inventions and developments must be well timed to be successful. Many of the common devices, luxuries and even necessities of today, which have been developed in the last fifty years, were conceived and attempts were made to introduce them years and even hundreds of years ago. The automobile was a favorite dream with inventors for centuries until the gas engine made it possible. The aeroplane or some similar type of flying machine has also been a favorite dream of mankind, but it could not be released until the high development of the gas engine and of machine tools, which made the highly accurate work necessary to aircraft possible, had been perfected. The same was true of bicycles, which were attempted and used somewhat as an amusement as far back as 1830. Without the development of the machine tool and proper materials they could not, of course, be anything but a cumbersome toy.

We can have little idea of what may be waiting in the next few years, and what may even now be just around the corner. Emmett's mercury boiler, which gives much more power for each pound of coal consumed than has yet been thought possible, is just now struggling for a foothold. The steam turbine, the scheme of very high voltage power transmission, with which we are identified, the automatic station system of operation for railways and mines and to some extent industries, are still new enough to be attractive playthings for inventive minds. It is not at all unlikely but that in the course of an ordinary lifetime the whole course of industry and even of society will be changed as greatly as it has been changed in the past century.

"Persevere in Daily Work,
Look Upwards,

Explore the Unknown,

Strive Always to Rise."

"Live longer by careful and intelligent perseverance."

Athletics G-E A. A.

(Continued from page 11.)

exciting game. Bowsers defeated Dudlo 24 to 16. The first half of this game ended 9 to 8 in Dudlo's favor, but in the second half the Tankmen called in their injured Kreigbaum, whose three field goals defeated the Wiremakers. Wayne Knit and Bowsers will meet to decide the winners of the first half, the winner of this game to play the winner of the second half to determine the champions of the season.

Intersectional Basketball Finishes First Half of Schedule

The Intersectional Basketball League has survived a stormy sea and arrived safely in port at the end of the first half of the journey with Section Two (Buildings north of Wall Street) in the lead. Some very good games have been played which are really worth seeing. All games are played on Wednesday evenings at Library Hall, corner Calhoun and Lewis Streets, and there is no admission charged. The players would appreciate it if more people would come down to see the games. The standing at the end of the first half was as follows:

Section	Won	Lost	Pct.
2	5	0	1.000
5	4	1	.800
3	2	3	.400
6	2	3	.400
1	1	4	.200
4	1	4	.200

Meter Dept. Bowling League Develops Into Close Race

It is anybody's race in the Meter Department Bowling League, with half of the games played and only one game separating the first three teams. You can bet there will be some spilling of the maples when these three teams meet and a match worth going to see. The standing of the teams February 20th was as follows:

Team	Won	Lost	Pct.	Ave.
Registers	15	6	.715	757
Covers	14	7	.667	757
Discs	14	7	.667	740
Elements	10	11	.476	766
Bases	9	12	.428	751
Terminals	9	12	.428	742
Magnets	9	12	.428	723
Pivots	9	12	.428	709
Jewels	8	13	.381	725
Seals	8	13	.381	717

Weick is still leading the league in individual averages with 174 for 75 games, followed by Bushing with 173, and Lawrence with 171 for a like number of games. Weick also has high score, knocking over the pins for a 267 count. Bushing counted 254 for second high and Woods' 243 places him in third place.

Industrial Water Polo League Has Started Its Schedule

Four teams are included in the Industrial Water Polo League this season. The league is sponsored by the Y. M. C. A. and the games are played in the Y. M. C. A. natatorium each Wednesday night beginning at 7:30 p. m. The G-E team has not fared very well so far but a re-

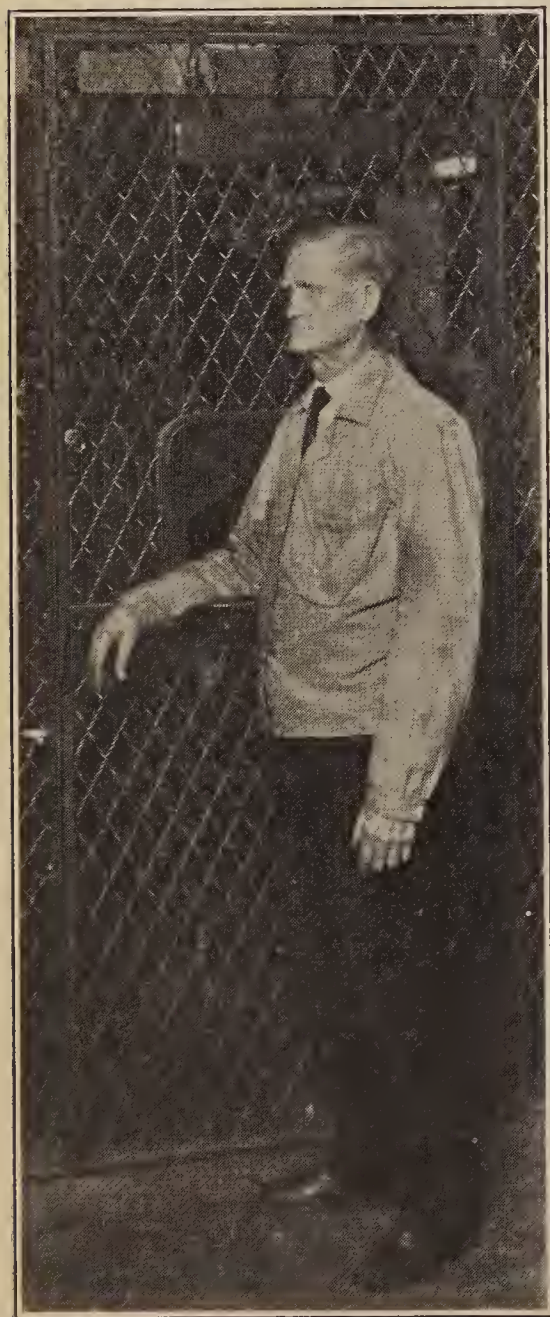
organization is now under way and it is expected the new line-up will put some games in the win column. At the completion of the schedule of the water polo league, water basketball will be played.

Team	Won	Lost	Pct.
Wayne Knit.....	2	0	1.000
Hi-Y	2	0	1.000
General Electric	0	2	.000
Triangle A. C.....	0	2	.000

Leonard Wins Billiard Honors For Month of January

Leonard, by winning nearly three-quarters of his games, finished in the lead in the billiard contest for the month of January, followed by Barkley, last month's winner, who had a percentage of .682. The games are played in the basement of Building 18 each noon hour before quite a few spectators. The standing of those players who have played fifteen games or over follows:

Leonard .....	.741	Cupp .....	.500
Barkley .....	.682	Zelt .....	.400
Doan .....	.589	Kromm .....	.381
Newlin .....	.533	Ditton .....	.381
Momper .....	.519	Wefel .....	.250



TONY ROSE

Well Known Tool Keeper, Building 17-1

G-E JUNIORS' PAGE

Dear G-E Juniors:

First of all I want to tell you about the letters I received from the G-E Juniors. There were only eight but I think this very fine for the first time and hope there will be many more next month. I want to tell you also that each one of these boys and girls answered the puzzle correctly, but of course, we are sending prizes to just the first five who sent in correct answers. Some of these Juniors forgot to give all the information we asked for, but I am sure everyone will remember this the next time. Be sure to give your name, address, age, the name of your nearest relative working at the G-E and the place they work. Anything else of interest you would care to write would also be greatly appreciated.

Now I wonder if you Juniors would not like to help out on this page and make it more interesting than ever. Perhaps you have some kodak pictures of yourselves with your pets that you would like for other boys and girls to see. If so just put them in an envelope with your name, address, age and the name of your relative working here and direct it to the Junior Page Editor the same as you do the answers to our prize puzzle. Then watch for the next issue of the Works News.

Of course you will be interested to know the names of the prize-winners of our last month's picture puzzle which reads: "I am a G-E Junior because my _____ works at the G-E." The first ones to send in answers were Bobby Harruff, age six years, of 1422 West Wildwood Avenue; Fannie Bower, age eleven years, of 1439 Broadway; Erna Fuhrman, age seven years, of 3006 South Harrison Street; Aileen Virginia Deems, age eight years, of 430 Bass Street, and Lillian Scheiman, age ten years, of 441 East Leith Street. We also received letters from Edna Huge, 911 Wilt Street; Roy Prince, Route A, and Hester Smith, 1325 Dodge Avenue.

But isn't it strange all of the boys and girls who sent in answers to our last picture puzzle are from Fort Wayne? Perhaps you boys and girls at Decatur did not understand that we were expecting to hear from you. Well, we were, and we were disappointed that we didn't get several letters from you. To give you Decatur boys and girls a fair chance in winning a prize we shall give eight prizes this time, five to go to the first five "G-E Juniors," who send in correct answers from our Fort Wayne plant and three prizes to go to the first three "G-E Juniors" from Decatur who send in correct answers to our Prize Puzzle. Wouldn't it be strange if we received more replies from Decatur than we do from Fort Wayne? Well let us see if we do.

This month we are again running a prize puzzle but you may not find it quite so easy. You see prizes should only be given for something that makes one work. Just try it out for I'm sure most of you



THE PRIZE PUZZLE FOR MARCH

can work it. Don't fail to send in your answers to the Junior Page Editor, Fort Wayne Works News.

FLOWER PI

These letters, if arranged properly will spell the names of twenty common flowers. See if you can guess them and the answers will be published in next month's Works News. You might tell us in your letter what these flowers are:

- | | |
|------------------|-----------------|
| 1. yapns | 11. soer |
| 2. neladonid | 12. ptlui |
| 3. liseil | 13. tiovel |
| 4. etsew lmiwail | 14. siidesa |
| 5. sstrea | 15. bbulllsee |
| 6. gymrlado | 16. cilal |
| 7. aahlid | 17. xoplh |
| 8. pturucebt | 18. hniyhcat |
| 9. nraotenai | 19. pgndasaonr. |
| 10. yoppp | 20. agniuerm |

Answers to the "B" Puzzle Run in February Works News

- | | |
|----------|---------------|
| 1. be | 14. beak |
| 2. bag | 15. boat |
| 3. bark | 16. beard |
| 4. bank | 17. beech |
| 5. baby | 18. begin |
| 6. bale | 19. beach |
| 7. bald | 20. basin |
| 8. bond | 21. bacon |
| 9. beam | 22. battle |
| 10. bean | 23. beagle |
| 11. bard | 24. beacon |
| 12. beer | 25. beaker |
| 13. bead | 26. beelzebub |

KEEPING FIT CONTEST

Standing of Major Departments, February 15, 1925

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Induction Motor.....	4.57	0.00	100.00
2. Fractional H.P. Motor.....	19.40	9.52	50.90
3. Meter Department.....	17.98	9.52	47.10
4. Apparatus.....	5.44	4.76	12.50
5. Contributing Departments.....	19.64	19.04	3.06
6. Transformer.....	12.02	14.30	—18.95
7. Building and Maintenance.....	12.10	23.80	—96.70
8. Decatur.....	8.82	19.04	—115.00



**NEW HOME OF WILLIAM K. GREGG
ON PASADENA DRIVE**



**L. D. HODELL'S NEW HOME ON
PEMBROKE PLACE**



**HAROLD KOEHLINGER'S NEW HOME
IN FAIRMOUNT PLACE ADDITION**



**PAUL JOHNSON'S NEW HOME ON
BRANNING AVENUE.**

Home Building Progresses Through the Winter

FOUR of our employees have recently moved into their new homes, which were financed through the Company's Home-Building Plan. It is needless to say that they are enthusiastic boosters.

The homes shown were built after very carefully designed plans and specifications and the whole program was carried out without difficulty. These homes are artistic, cozy, and comfortable, and have been built at a very reasonable price.

The House Building Committee has now perfected arrangements so that plans and specifications for reasonably priced homes may be secured at a very reasonable rate. Applications are being received

weekly and the year will doubtless see many new G-E homes completed.

If you are one of those who has not been able up to the present time to get started on the proposition of owning your home, or of buying a house that has been built for some time, or of building a new home, you should not delay but come in and talk over the proposition with some member of the Building Committee.

If you haven't started to save money, start now. A small investment in G-E Employees' Security Bonds is the very best way to start. You can buy for cash bonds in denominations of \$10.00 and upward if you failed to subscribe for bonds to be paid for out of your pay.

Fort Wayne is a city of home owners. Plan to be one of them!

KEEPING FIT KONTEST

Jumping from last place in the Keeping Fit Contest for the year of 1924, with a standing of negative 41.84%, to first place with a standing of 100% for the first six weeks of 1925, is quite an achievement, in fact remarkable, but nevertheless the Induction Motor Department has proved its capableness by attaining such a high standing.

Eyes! Our greatest asset proved to be our greatest liability at the Fort Wayne Works for the year 1924. Let us make them an asset this year by obeying that impulse to put on a pair of safety goggles at the first sign of flying particles of steel, emery, sand or hot metals.

Here's how we "stack up" in Lost Time accidents at the Fort Wayne Work for 1924, in per cent of all accidents occurring:

Infections	15.3%
Fractures	8.8%
Amputations	4.9%
Lacerations and Contusions.....	43.8%
Eyes	15.3%
Sprains and Strains.....	5.3%
Fatal	0.0%
Miscellaneous	6.6%

There were 186 lost time accidents during 1924.

Let's cut this in two this year.

Decatur had a bit of hard luck during the month of January with four (4) lost time accidents. But, "stay right in there and fight 'em, Decatur," as the varsity coach tells his men when they are behind. The game is yet young and January constitutes only one-twelfth of the year.

It is your duty as a member of this great Industrial Enterprise to report to your foreman or to the Safety Engineer, Building 19-1, phone 179, all unsafe men, methods or machinery.

You are of little value in a "wooden kimona." Don't be careless.

Say it with Safety and save the flowers.



The whole world in your hands

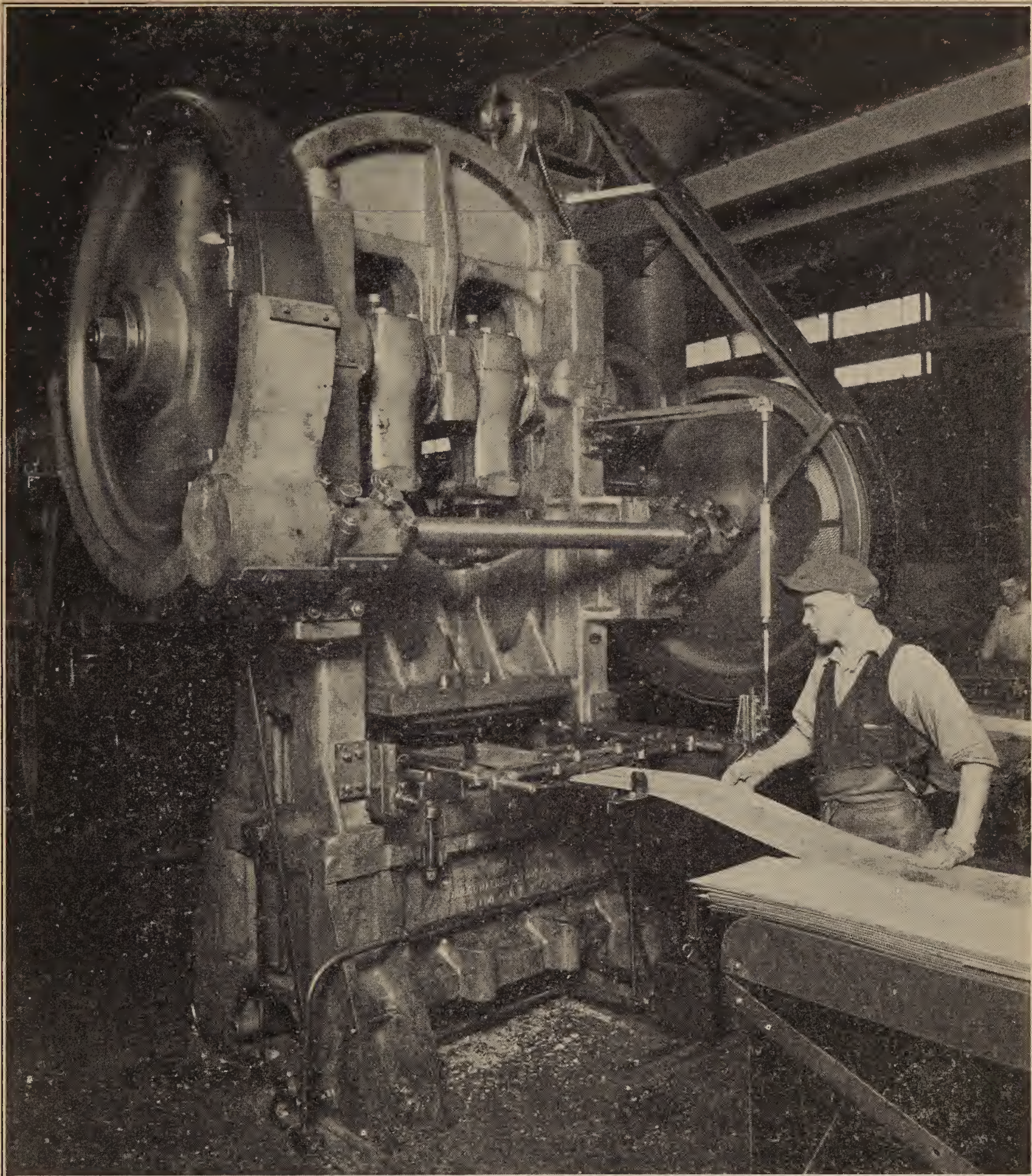


Rivers that now furnish power for great mills once ran wastefully away. Not in the United States alone, but all over the world, equipment made by the General Electric Company is transforming idle rivers into hard-working servants.

General Electric motors enable one great mill to produce paper enough in a day to cover a 13-foot road from New York to Chicago. Other G-E motors run the huge presses which can print as many as 300,000 newspapers an hour.

So, served by electricity, you breakfast like a king—an electric percolator and an electric toaster on your table, and the world's news in your hands!

GENERAL ELECTRIC



Vol. 9—No. 4

April, 1925

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS





CHARLES A. COFFIN FOUNDATION

ESTABLISHED BY GENERAL ELECTRIC COMPANY

FOR THE ENCOURAGEMENT OF SIGNAL CONTRIBUTIONS
BY EMPLOYEES OF THE GENERAL ELECTRIC COMPANY
TOWARD THE INCREASE OF ITS EFFICIENCY
OR PROGRESS IN THE ELECTRICAL ART

AWARDS

CHARLES A. COFFIN CERTIFICATE OF MERIT

TO

RICHARD S. NASSIF

IN RECOGNITION OF HIS INITIATIVE AND COURAGE IN SUGGESTING
THE INSTALLATION OF A CONVEYOR SYSTEM, THUS ELIMINATING
THE NECESSITY FOR HIS JOB

SCHENECTADY, N.Y. MARCH 1925

ADVISORY COMMITTEE OF THE
GENERAL ELECTRIC COMPANY

Wm. J. Bruch
SECRETARY, CHARLES A. COFFIN FOUNDATION

Charles A. Coffin
PRESIDENT

Forty-Three Awards Made by the Charles A. Coffin Foundation to Employees for Outstanding Achievements in 1924

FORTY-THREE awards to employees have been made by the Charles A. Coffin Foundation for unusual achievement during the past year. Twelve awards are made to workmen, five to foremen, fifteen to engineers and seven to commercial men. There are also four special awards for papers presented at Association Island meetings.

The fundamental purpose of these employees' awards is recognition of men for work in their own field. Engineers, salesmen, shop men, stand side by side in this line of accomplishment, on the equality of work well done. It is essential democracy. The productive thought of a man working on a scrap heap is as worthy of reward, of approval, as the thought of an engineer who solves a difficult problem in design. Perhaps more so, for the engineer is provided with the machinery of his profession, the man who steps out of a more humble place has often to force his idea through the stone wall of indifference.

The record of accomplishment in the first year the awards were made was unusually gratifying, and the same high level of attainment is revealed again. In some ways the stories back of the plain citation on the roll of honor are even more dramatic than before.

Moral courage is required of a man who makes a suggestion which eliminates his job, but that happened to one award winner. When he was forced to give his idea birth at the cost of possible unemployment; when his natural instinct of self-defense opposed itself to initiative he had the courage to make his suggestion. That it won him reward instead of suffering, that he felt he could trust his welfare to his Company is another matter, entirely outside himself. There is character as well as ability in a man who could do that.

Analysis is sometimes a dreary business, but it is significant that more than one-quarter of the awards are made to shop men. There is no one road to achievement. All work has its opportunities. It is by no chance that some of this country's greatest executives have come up from shops. Men who think can lift themselves from any level of obscurity. The awards prove that again and again. The man who thought himself out of a job had the humble task of carrying things from one place to another. He thought while he carried. Another, classed as a laborer,

How Coffin Awards Are Divided Among Employees

The forty-three awards under the Coffin Foundation are divided among twelve workmen, five foremen, fifteen engineers, seven commercial men and four special awards.

Seventeen went to men in the main works of the Company at Schenectady, three to Pittsfield, four to the Edison Lamp Works at Harrison, N. J., eight to Lynn, four to the National Lamp Works at Cleveland, Ohio, and one each to offices at Minneapolis, New York, Salt Lake City, Chicago, Philadelphia, Erie and Buffalo.

A certificate of the Charles A. Coffin Foundation and a cash prize of about \$250 accompanied each award.

suggested a salvage method that came to him as he contemplated a scrap heap on which he worked.

They will stand beside engineers and salesmen in the recognition given to their accomplishments. A man's achievement is great in inverse ratio to his opportunity, and it was that consideration which guided committees in their selection of accomplishments for reward. An achievement modest in itself, may rank with the greatest effort of an engineer when judged on that basis.

Marco Cefaletto is a laborer in the Scrap Department. He had made a few minor suggestions from time to time, which showed that handling scrap, even in his capacity of laborer, had not prevented his thinking about his job. One might feel that the opportunities for distinguishing himself were not bright. Other men were charged with the duty of exercising all their ingenuity in getting the most out of scrap. Cefaletto merely handled it.

Monel metal scrap is valuable, but not when it is mixed with steel turnings. They are separated by magnets which lift the steel and leave the monel. In the winter congealed oil held the scrap together so that the magnet method would not work. Heat was applied and the oil permitted to run off, but this was slow. Then Cefaletto made a suggestion, which, like many good

things, was ludicrously simple. Why not burn the oil off? He took some scrap out in the yard, built a little fireplace, put a piece of sheet iron across the top, and placed the scrap on it. Fire did the rest, the oil disappeared, and monel metal was recovered faster than ever before. Just because a scrap handler used his brains.

Richard Saleen Nassif, a young Assyrian in the Pittsfield Works, has a wife and two children. He carried fan motor parts from a conveyor to an inspection table. All day long he traveled back and forth between the end of the conveyor and the table, and at night went home to his family and to puzzle over the way to get ahead in this busy world. One day the uselessness of his effort walking back and forth carrying motor parts struck him. It seemed inefficient, wasteful. It cost the Company money, it was a slow method employing a man who might be used at other work. Then why do it? It was a job, thought Nassif. He must think of his family. The Company had asked for suggestions as to how to increase efficiency, but if he made this suggestion he would suggest himself out of work. However, he did it, and lost his job. But he was given another and a better one, and his award is not only for initiative but for courage.

Remarkable perseverance was shown by Thomas H. MacCauley, a checker on designs in the Switchboard Department, Schenectady, in working out a system of standardization of switchboard designs. It was a stupendous task, one to daunt any man who could visualize the multitude of parts used in switchboard work. MacCauley set himself to reduce the number of those parts. His work lasted for a year. He worked at home, night after night, laboring over design, making drawings. He said nothing of his plans, asked for no assistance, not even for encouragement, although many times he must have needed it. One day he presented a system outlined in drawings to the most minute detail, so comprehensive that it could be adopted as it stood. The magnitude of his task can be shown by the statement that he reduced varieties of copper bars from 37,000 to 800.

A Company which contains men who meet an emergency with vigor and ingenuity is fortunate, and General Electric has many of these. An outstanding in-

stance of resourcefulness is the way in which Charles Panthen, foreman in the Shipping Department, Schenectady, met a problem. The concern which made our waterproof wrapping for export shipment went out of business. A shipment was to be made on which the customer had specified a certain standard of waterproofing. The laboratory had been working for some time without success to produce such a material, and when it seemed that the shipment would be delayed Panthen heard of the dilemma. He produced a satisfactory waterproof covering in forty-eight hours, using material he found in the factory.

Awards to foremen also take into account shop appearance, efficiency and conditions which add to the welfare of employees.

John Flaws, Jr., an experimental machinist in the Edison Lamp Works, won an award last year for improvements in lamp machinery. His creative ability is shown again, for he has developed a machine for producing radiotron filaments which produces filaments of absolute accuracy, and results in more efficient tubes.

The awards reveal outstanding accomplishment in almost every field of the Company's activity. Theodore A. Rich of the Testing Department, West Lynn Works, developed a method of soldering aluminum after experts had declared it couldn't be done; Wendell L. Carlson and Glenn W. Carpenter, of the Radio Engineering Department, Schenectady, did exceptional work in radio construction; Philip K. Devers and Levi B. Miller solved fused quartz production problems; Perlee A. Sexsmith of the Chicago office, and W. C. Smith of the San Francisco office, showed unusual sales ability, and Hylan T. Plumb, Salt Lake City office, worked like a trojan at a mine disaster in organizing and directing rescue work.

These are human stories, stories of effort and constant courage. Some of the accomplishments were born of inspiration, if one wants to call it that, but more of them came from constant plugging toward a definite goal. It is a little cross section of the magic word "success," this list of things done in the course of daily work. Not that they thought of what they were doing in those terms, men who work well seldom do, but their achievements show the stuff of which success is made.

A certificate of the Charles A. Coffin Foundation and a cash prize of about \$250 accompanied each award.

Those who won awards in 1924 were:

WORKMEN

ROBERT BRINDLE, Experimental Machinist, Edison Lamp Works—Invented a bead feeding device on automatic machines, used in butt-seal miniature lamp making.

MARCO CEFALETTI, Scrap Department, Schenectady Works—Suggested a method of salvaging monel metal scrap.

JOHN FLAWS, JR., Experimental Machinist, Edison Lamp Works—Developed a machine for producing filaments for UV-199 radiotrons.

WILLIAM McNAUGHTON, Gang Boss, Punch Press Department, Schenectady Works—Improved the construction of enamel furnaces.

RICHARD NASSIF, Oven Tender, Pittsfield Works—Suggested the installation of a conveyor system; thus eliminating the necessity for his job.

BERTHOLD F. NIEDERGESASS, Quartz Worker, Thomson Laboratory, River Works, Lynn—Developed machine methods to replace hand methods in producing quartz tubing.

GEORGE W. REDMOND, Enamel Wire Machine Operator, River Works, Lynn—Suggested an improved form of gas burner for enamel wire oven.

THEODORE RICH, Testing Department, West Lynn Works—Invented a method of soldering aluminum.

PAUL WAGNER, Mechanic, National Lamp Works—Developed a butt-sealing machine which greatly increases production and reduces the cost of sealing.

SAMUEL T. WILLIS, Tapping Machine Operator, Schenectady Works—Produced and installed and successfully operated an adjustable paper guide for high speed tapping machines.

FRANK B. VAN SICKLE, Mechanic, National Lamp Works—Invented and developed an automatic device for use on Westlake bulb-blowing equipment.

EDWARD D. ZINK, Transformer Inspector, Pittsfield Works—Suggested improved method of anchoring low voltage leads in distribution transformers.

FOREMEN

HERMAN O. GROTHJOHANN, Screw Machine Department, River Works, Lynn—Improved the mechanical operations and the general usefulness of his department.

EDWIN D. HOUGHTON, Field Coil Department, Schenectady Works—Exceptional ability shown in performing his duties as foreman and in suggesting improvements in the design of field coils.

GEORGE ILLINGWORTH, Development Laboratory, National Lamp Works—Developed an automatic machine of extraordinary efficiency for the production of butt-seal mounts for incandescent lamps.

SYDNEY F. HETHAWAY, Testing Department, Schenectady Works—Displayed unusual skill and originality in improving painting operations.

CHARLES PANTHEN, Shipping Department, Schenectady Works—Developed in an emergency an efficient waterproof packing material.

ENGINEERS

CHARLES BURGESSON, Minneapolis Office—Invented and developed combination fuse and disconnecting switch.

WENDELL L. CARLSON, Radio Engineering Department, Schenectady—Developed with Glenn W. Carpenter the super-heterodyne circuit for radio receiving sets.

GLENN W. CARPENTER, Radio Engineering Department, Schenectady—Developed with Wendell L. Carlson the super-heterodyne circuit for radio receiving sets.

PHILIP K. DEVERS, Electro-chemist, Thomson Laboratory, River Works, Lynn—Collaborated with Levi B. Miller in the solution of problems involved in the production of fused quartz.

EDWARD H. FREIBURGHUSE, Turbine Generator Section, A. C. Engineering Department, Schenectady—Improved the design of turbine generator rotors.

EMIL J. GUAY, Designing Engineer, Fabroil and Textolite Gears, River Works, Lynn—Radically improved the designs and processes used in the manufacture of textolite gears.

ISAAC F. KINNARD, West Lynn Works—Improved the design of electric meters.

THOMAS H. MacCAULEY, Switchboard Department, Schenectady—Standardized and simplified a system of records, resulting in greatly increased efficiency in handling switchboard parts.

JACOB W. McNAIRY, Schenectady Works—Invented and developed with Louis W. Thompson an electrically operated flow meter.

RONALD S. McNEIL, Edison Lamp Works—Developed with Albert L. Smith a method of automatic gas control for changes in gas quality.

LEVI B. MILLER, Electro-chemist, Thomson Laboratory, River Works, Lynn—Collaborated with Philip K. Devers in the solution of problems involved in the production of fused quartz.

ALBERT L. SMITH, Edison Lamp Works—Developed with Ronald S. McNeil a method of automatic gas control for changes in gas quality.

LOUIS W. THOMPSON, Schenectady Works—Invented and developed with Jacob W. McNairy an electrically operated flow meter.

HARRY W. TOBEY, Laboratory, Pittsfield Works—Developed methods of resistance welding for sheet steel tanks.

MAX A. WHITING, Industrial Engineering Department, Schenectady Works—Invented and developed an effective system of direct current motor control for high speed elevators.

COMMERCIAL

C. A. ATHERTON, National Lamp Works—Developed a scientific basis for the design of electric signs.

HENRY G. ISSERTELL, Building Equipment Section, New York Office—Developed special service for customers in the building industry.

HARRY C. MEYERS, Publicity Department, Schenectady Works—Developed a highly satisfactory nameplate which will stand adverse conditions.

HYLON T. PLUMB, Engineer, Salt Lake City Office—Rendered humanitarian service to a customer at the time of the Castle Gate mine disaster, Utah.

PERLEE ALLEN SEXSMITH, Salesman, Industrial Department, Chicago Office—Developed latent business involving a new application of an electrical product.

L. WAKEFIELD SHUGG, Assistant to Manager of Conventions and Exhibits, Schenectady—Displayed unusual tact and resourcefulness as a director of exhibits of his own and other companies at a national convention.

WALTER C. SMITH, Transformer Meter Specialist, Central Station Department, San Francisco—Recommended improvements in the design of transformers, thus solving an operating problem of a customer.

SPECIAL AWARDS

CHARLES P. BLOOMER, Superintendent, Philadelphia Works—For his presentation of the subject, "Fitting a Man to His Job," in a paper read at Camp Manufacturing, July 25, 1924.

CLARENCE C. BAILEY, Engineer, Railway Department, Schenectady Works—For presentation of the subject, "Steam Railway Business," in a paper read at Camp Commercial, July 2, 1924.

GEORGE H. CALKINS, Manager, Buffalo Office—For his presentation of the subject, "Coordination of Effort," in a paper read at Camp Commercial, July, 1924.

JOHN ST. LAWRENCE, General Superintendent, Erie Works—For his presentation of the subject, "Relation of Limits and Allowances to Cost Production," in a paper read at Camp Manufacturing, June 25, 1924.

Firemen Install New Chief and Initiate New Members

ON Monday evening, March 9, 1925, the Entertainment Committee of the Works Volunteer Fire Department arranged an installation program for the New Chief, Paul Grimme, and the new firemen. This was in the nature of a chicken banquet and an initiation program.

President Melching opened the meeting by presenting Gen. Supt. E. A. Barnes as the toastmaster, who in a very interesting way secured talks from J. H. Evans, assistant to the manager; E. L. Simpson, manufacturing superintendent; C. H. Matson, superintendent of Buildings and Maintenance, and E. W. Lankenau, superintendent of Decatur Plant. The speakers emphasized the value of well organized fire departments and expressed their appreciation of the good work of our G-E firemen.

After the talks and a response by Chief Paul Grimme, a special initiation committee, composed of A. R. Vegalues, Sam Shives, R. Ormiston and Oscar Shady, proceeded to initiate the eight new members, namely, Carl Reynolds, R. Harwood, H. D. Murphy, R. Haney, Wm. Bowers, Wm. Glen, Ed. Yahne and Leo Miller. These men should make gallant firemen after the severe grilling they went through. It goes without saying, all enjoyed this meeting.

W. S. Goll Heads Committee to Visit Electrical Manufacturing Plants in Europe

P. C. Morganthaler Also Member of This Special Committee

AN unusual honor and privilege has been accorded to our Works Manager in being named the chairman of a committee of General Electric men, selected by Vice-President Francis C. Pratt, to visit this summer a number of electrical manufacturing plants in Europe in which our Company is interested or with which it has arrangements for the exchange of technical information. Mr. Morganthaler, Managing Engineer of our Meter Department, will be one of the party of six General Electric men who will make this trip. Other members of the party are: J. A. Smith, Superintendent of the Schenectady Works; H. G. Reist, Engineer A-C Department, Schenectady; J. L. Burnham, Engineer D-C Department, Schenectady; R. M. Spurck, Engineer Switchboard Department, Schenectady.

The purpose of this trip will be to investigate the designs of certain electrical equipment and the manufacturing methods used in the European plants.

The party will sail from New York City on April 29, landing in Cherbourg, France. They will then go to Berlin, visiting there several A. E. G. plants. Milan, Italy, will

next be visited, with possibly a side trip to Switzerland, where important electrical power and transmission installations will be inspected. On returning to France, the French Thompson-Houston plants and



Mr. Morganthaler



Mr. Goll

others in and around Paris will be visited, a possible side trip being made from Paris to Ghent, Belgium. The party will then cross the Channel to England to study the products and manufacturing methods of the British Thompson-Houston company's plants at Rugby and Coventry.

On the return the committee will probably sail from Southampton, England, leaving there on July 4, arriving in New York about one week later.

The Suggestion System of The General Electric Company

THE Suggestion System of the General Electric Company is gradually taking on the aspect of a great game which is open to all employees of the Company and which offers good sport and opportunity for reward to each participant. One man summed up the situation when he said, "It is more fun than cross word puzzles and far more profitable." It may be likened to a baseball game where a turn at bat may mean a hit, a run, a strikeout or a home run. Many of the winners of 1924 are expected to bat high this season. The competition will be keener because there will be more players in the game but the proportionate increase in the amount of awards will give every man a chance to get his name in the winning columns. If you were one of the winners in 1924, see if you can increase your score; if you were not, get busy now and register a home run.

The Suggestion System report for 1924 shows a considerable increase over 1923. In 1923, suggestions to the number of 8,078 were received, and the sum of \$22,988 was distributed among 1,752 suggestors. In 1924, the awards in eleven of the Company's plants totalled \$39,531. This sum divided into amounts from \$1 to \$1,000, was distributed to 3,244 suggestors. Of the suggestions offered in 1923, 21.7 per cent was successful. In 1924 the percentage was about 36.

Last year Schenectady employees, because of greater numbers, received the largest proportion of the cash awards, \$20,429, which was \$5,670 more than the sum distributed the previous year. Philadelphia led in the percentage of suggestions adopted. The Philadelphia committee considered 190 suggestions and adopted 70, or 36.8 per cent. Bridgeport was next, with 98 out of 294 suggestions adopted. Third in order, and a very close third, was West Lynn with 977 suggestions considered and 324 adopted.

The highest single award in 1923 was \$500, while the highest for 1924 was \$1,000. In all plants except Philadelphia more suggestions were reviewed in 1924 than in 1923. Erie made a most astonishing increase; 438 suggestions were considered in 1923, and 1,952 in 1924. This means that 44.7 per cent of the employees offered suggestions worthy of consideration, the highest percentage of any plant. West Lynn, with 35.4 per cent, was next and Philadelphia, with 27.8 per cent, was third. The awards to Erie employees also showed a sharp increase, for \$5,748 was distributed in 1924 as compared with \$786 the preceding year.

The present year should show a great increase over the figures for 1924. Employees are showing greater interest and the system is, consequently, becoming more firmly established. There is limitation neither to the number of suggestions which may be sent in nor to the amount of award for those suggestions. All are weighted and checked for respective value, and the suggestor benefits accordingly.

Elex Club Will Present "The Hoodoo" April 29 and 30

THE complete cast for the presentation of "The Hoodoo," a farce in three acts, to be given under the auspices of the Elex Club, at St. Paul's auditorium, corner Barr and Madison Streets, on the evenings of April 29th and 30th, has been selected.

Eighteen employees are taking part and also four small girls, pupils of Mrs. Frances Long, the director of the play.

The play is the work of Walter Ben Hare and the scenes take place in late September of 1912, at a house party at the Lee-Early wedding, at the country home of Mrs. Perrington Shine, located thirty minutes from Broadway, and includes a mystery surrounding a wedding gift.

There are plenty of laughs and a peppy cast who are endeavoring, by rehearsals every Tuesday and Friday evenings, to make the play one of the biggest successes in amateur productions of the season and is well deserving of the support and co-operation of every G-E employee.

Horace Horn, Lyndon Adams, George Stinson and Phyllis Goeriz, who are taking part in the play, together with Mrs. Frances Long, director, all had parts in the presentation of the Fort Wayne Historical pageant given last December, while all members of the cast have ably taken parts in recent amateur productions.

Tickets are on sale by members of the cast and also Elex Girls.

The complete cast is as follows:

Brighton Early, about to be married	Lyndon Adams
Billy Jackson, the heartbreaker	George Stinson
Professor Solomon Spiggot, an authority on Egypt	Sam Newlin
Hemacus Spiggot, his son, age 17 years	Neal Hench
Malachi Meek, lively old man of 69 years	Horace Horn
Mr. Dunn, the burglar	Ed. Horstman
Miss Amy Lee, about to be married	Alma Olson
Mrs. Perrington-Shine, her aunt	Lillian Steup
Gwendolyn Perrington-Shine, mamma's girl	Susie Wagner
Dodo De Graft, a dazzling daisy	Vera Bauman
Mrs. Ima Clinger, a fascinating young widow	Annette Bauman
Angelina, her angel child, age 8 years	Luella Tarmon
Miss Doris Ruffles, Amy's maid of honor	Iona Holzworth
Seniramis Spiggot, mother of seven	Chloe Hamilton
Eupepsia Spiggot, her daughter	Edna Steiner
Miss Longnecker, a public school teacher	Flora Boerger
Lulu, by name and nature	Irene Meyers
Aunt Paradise, the colored cook	Josephine Majors
The Four Little Spiggots	Phyllis Goeriz
	Elenore Houck
	Dorothy Gauert
	LaVonne Gauert

March 15th to April 15th is membership month at the Y. W. C. A. The quota for Elex is forty-eight girls. If you have not joined the Y now is the time.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Helen Fuhrman.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Verena Miller.....Decatur Works

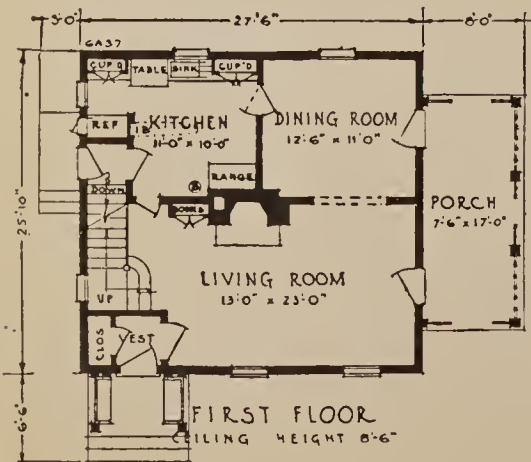
REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
Alma Olson.....Elex Club
Carrol Blincoe.....Apprentice Association
Fred Duryee.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. F. Hall.....Quarter Century Club
Edward Witte.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
L. O. Adams.....G-E Squares
Mildred Schroeder.....Alpha Pi
Irene Fox.....Absent Employees

Vol. 9 April, 1925 No. 4

EMPLOYEES who may be contemplating the building of homes may be interested to know that the Works Housing Committee has hundreds of house plans which are available to those interested. Practically all of these are for small homes such as will appeal to persons of moderate means. There are plans for all of the modern styles of homes and it will be surprising if you cannot find very nearly your ideal of a home in one or more of these plans. Moreover the complete working drawings, specifications, etc., for these homes can be secured at a reasonable price. The Works Housing Committee is ready to give you any help it can in the selection of plans, the getting of bids from reputable contractors and in arranging the financial matters incident to the building of a home.

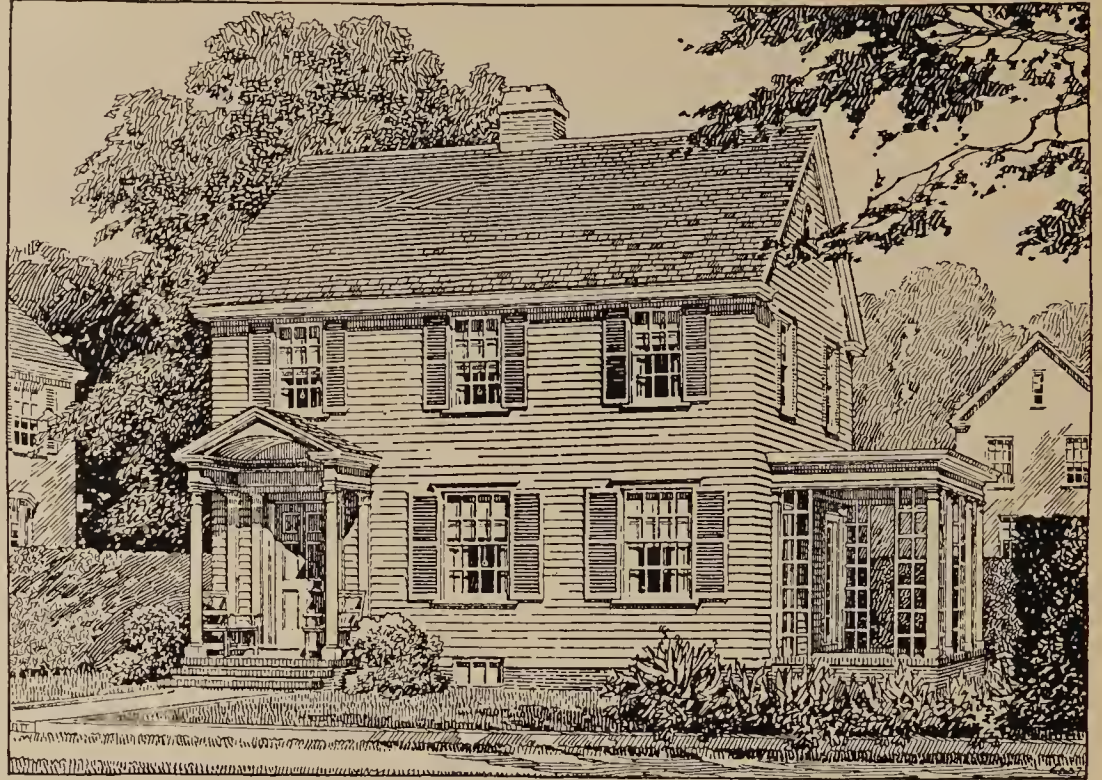
Anyone interested in taking advantage of such financial assistance, as the Housing Committee may be in position to extend, should consult the secretary of the committee, W. J. Hockett, before making any down payment or option payment on a property.



Architects' Small House Service Bureau

HOUSE PLAN NO. 6A37

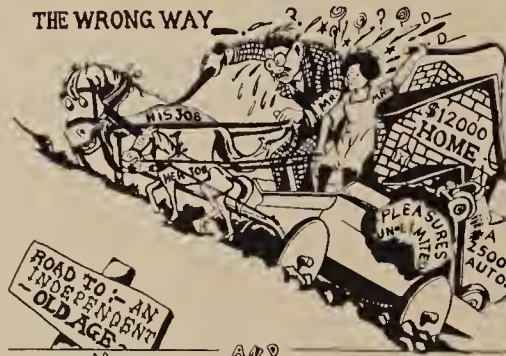
Northwestern Division



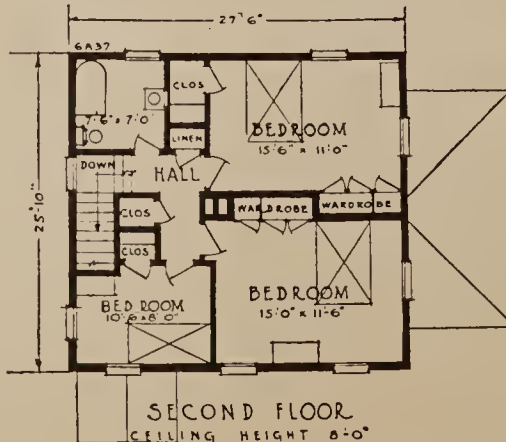
Copyright—Published by Special Permission.

A CONSERVATIVE PRACTICAL TYPE OF HOME Floor Plans Below

THE WRONG WAY



AS THE CARTOONIST VIEWS IT



The Big Punch Presses

Boom! Boom! Boom! Steadily and at intervals of about one second you hear such a sound as this in the Punch Press Department, Building 26-1, as the big 130-ton pressure punch press featured on the cover cuts the slots, ventilating holes and hole for the shaft in the laminations for the closed-slot power induction motor rotors. The sound is that of the distant muffled boom of a big gun and there is a decided tremor to the ground as the big dies cut through the sheet steel. This press, as previously indicated, is capable of exerting 130 tons pressure on the dies and it is probable that a considerable portion of this pressure is expended every time the dies bite through the metal in forming these laminations. Little wonder, therefore, that there is a very audible boom and a tremor of the building each time the massive punch descends.

A feature of this press is the automatic feed. This may be seen in the picture gripping the strip of sheet steel which is passing through the press. The operator, Frank McClure, starts one of these strips into the press and presses down on the foot treadle which throws the machine in gear. Then come the deep booming sounds as the press bites through the strip.

The big press featured in the picture does not complete the forming of these induction motor laminations, as it does not cut the laminations from the strip. This is done on a second and lighter press which is placed just beyond the big press with the automatic feed. The smaller press is fed by hand and as its die descends it cuts out the rotor discs which drop through the bed of the press.

Loading Steel Trimmings With a Grab Bucket

THE large grab bucket which you see in the photograph is one of the many labor-saving devices which have been installed to take the drudgery out of industry and at the same time do the work quicker. And it does both. You probably cannot appreciate the worth of this unless you have seen six or eight men dig at a pile of steel turnings for a day and a half with hooks and pitch forks or watched a like number of men, with their heads swathed in rags like a mummy to keep the dust from their ears, nose and mouth.

The steel turnings, which you see being loaded in the picture is requiring an average of 13.5 man-hours of labors, which includes the time of the crane operator, to load an average car. By the old method 52 man-hours of irksome labor was required to do the same work. About twenty cars will be loaded in a year. The same bucket is also used to load cast iron borings, 10 man-hours being necessary to load a car, while with the old method 47 man-hours were necessary. About twelve cars will be loaded in a year.

The bucket is also used for many purposes, making the complete installation a very useful one.



Teich and Miller Making Good on Transformer Road Work

**Both Are Former Fort Wayne Men Now
Doing Construction Work in
Chicago Territory**

EARLY in 1923 the Chicago office was in need of a trained man to do road work in repairing customers' transformers that had suffered in service from one cause or another or that customer wished for some reason to change over to different operating characteristics. Quinton C. Teich, a graduate of Iowa State, who was at the time taking the Student Engineer course here, was selected to try this work. He was accordingly transferred to the Chicago office and sent out on such transformer jobs. He has more than made good as a road man and we learn that he recently has been sent out to Montana to tackle a six months' job.

The first of this year the Chicago office sent in a call for additional help in the nature of an especially trained man to handle a transformer rewinding job. W. L. Miller was sent out from our Transformer Testing Department in answer to this call. The job that they put Mr. Miller on was a tough one. It was the rebuilding of two 3,000 KV-A, three-phase shell type transformers. Miller relieved Teich for some more important work and carried the job through to completion to the entire satisfaction of the customer which highly pleased the engineer in charge of the Chicago office. In fact the Chicago office was so well pleased with Mr. Miller's work that the engineer asked that Mr. Miller be transferred at once to their road force.

In looking up Mr. Miller's record here we find that he began work in the transformer test in January, 1920, after service in the United States Navy during the war. Miller was interested in electrical subjects, took a correspondence school course, and read other books on electricity. He carefully planned his day's work in the transformer test, and in this way was able to handle a maximum amount of work in the allotted time. Mr. Schurenberg, foreman of the test, says that Miller was an excellent tester, and while he regretted losing such a good man it was a pleasure to recommend Mr. Miller for the new job.

Mr. Miller's advancement is evidently a result of his studying his job, knowing more about it possibly than the job actually required that he should know. There is, therefore, nothing mysterious about such success. There will be many others who will better their position by this self-same plan. It's about the only way in which advancement is particularly likely to come to one in the present industrial age.

Elevator Echoes

No sensible person would leave or enter a moving elevator.

Wait until elevator is on floor and is stopped by operator.

Never raise or lean on gates when off or on elevator.

Never block aisles going to elevator.

ATHLETICS

G-E A. A.

City Industrial Baseball League Awaiting Start of Season

Due to the fact that plans for the City Industrial Baseball League were laid last fall and officers for the season elected, everything is ready for the opening game. The league has secured Lincoln Life Field for its games, which will be played on Sunday afternoons. Two games will probably be played each week. The following industries have already signified their intention of entering teams: Pennsylvania, Wayne Tank, Western Gas and General Electric. Other industries will be given an opportunity to enter, however, and the starting date may see more clubs in the league.

Y. M. C. A. Industrial Basketball League Finishes Season

The Wayne Knit basketball team, which became champions of the second round of the Y. M. C. A. League, due to the fact that the G-E was forced to forfeit one of its games because one of its players wore a K. of C. uniform, defeated Bowsers, winners of the first half, for the league championship, by the score of 18 to 21.

The General Electric team has officially protested the final game of the season with Bass, but the officials of the league have refused to recognize the protest and the season has been officially closed.

The standing of the league at the end of the second half was as follows:

Team	Won	Lost	Pct.
Wayne Knit	6	1	.858
General Electric	5	2	.714
Bowser	5	2	.714
Bass	5	2	.714
Dudlo	3	4	.429
Horton	2	5	.400
Pennsylvania	2	5	.400
Wayne Tank	0	7	.000

Of the above games 12 were forfeits and 16 were played.

It is difficult to compute the individual scoring of the players as there were so many games forfeited, protested or played as exhibitions and the scoring of which should or should not go into the totals, that no attempt has been made, much as we would like to do so.

Covers Go Into Lead in Meter Dept. Bowling League

The Covers replaced the Registers, who were leading the league last month, and are sitting on top of the heap with a pretty comfortable margin. The next four teams are bunched, only two games separating second and fifth places. While the end of the schedule is not far away there is still a chance of any one of five teams winning the second round. The standing of the teams March 18th was as follows:



G-E GIRLS' BASKET BALL TEAM

Standing: E. W. Doerr, coach; LaVera Vail; Alvin Konow, Manager.

Kneeling: Hilda Walda, captain; Iona Holzworth, Emma Mae Hill and Eva Beckman.

Sitting: Tressie Singrey and Hildagarde Hormel.

Team	Won	Lost	Pct.	Ave.
Covers	25	8	.758	760
Discs	20	13	.606	749
Registers	19	14	.576	759
Elements	18	15	.545	767
Terminals	18	15	.545	764
Jewels	15	18	.455	745
Magnets	14	19	.424	736
Bases	12	21	.364	743
Seals	12	21	.364	741
Pivots	12	21	.364	722

Weick is still leading the league in individual averages with 173 for 87 games, followed by Bushing with 172 and Lawrence and Rump, who both have an average of 171. Weick also has high score with 267. Hambrock's 256, recently rolled, places him in second position with Bushing with 254 in third place. The Covers have high team score with 895 for a single game, while the Terminals have 2,526 for three games.

G-E Girls Team Makes Good Record After Late Start

Although the girls' team was handicapped by a late start and the lack of a basketball coach and manager, still it entered in the Industrial League at the Y. W. C. A. But after its second game things were much easier for the girls as E. W. Doerr tendered his services as coach and A. Konow as manager for the team. They, too, felt the handicap of the late

start. Nevertheless, the season ended much better than was anticipated at first, in fact, it ended quite successfully, the girls having lost only three games, two of them being to the strong I. B. C. team.

The following is a summary of the games played:

	G-E	Opponents
G-E vs. Wayne Knits	25	12
G-E vs. I. B. C.	11	26
G-E vs. B. T. A. A.	26	27
G-E vs. Dudlo	41	21
G-E vs. Ben Hur	47	4
G-E vs. Triangles	47	18
G-E vs. Garrett (there)	61	11
G-E vs. I. B. C.	23	25
G-E vs. Wayne Tank	27	12

The first four games and the sixth game were in the Industrial League. I. B. C. was the winner of the tournament.

Total Scoring

G-E	308	Opponents	152
-----	-----	-----------	-----

Individual Scoring

La Vera Vail	95
Hilda Walda	82
Hildegard Hormel	69
Eva Beckman	8
Tressie Singrey	1

The guards, too, played a good brand of basketball and deserve a great deal of praise. They are: Emma Mae Hill, Iona Holzworth, and Alma Olson. Tressie Singrey was also very good as guard. Keep it up, guards, next year.

Leonard Again Wins G-E Billiard Title

By winning sixteen games and losing but three, Leonard finished first in the standing of the billiard players who daily push the ivories over the green felt in the basement of Building 18. Shober, by winning sixteen and losing four, finished in second place. The standing of the players for February was as follows:

Name	Won	Lost	Pct.
Leonard	16	3	.842
Shober	16	4	.800
Ditton	15	10	.600
Dromm	14	10	.583
Barkley	10	8	.555
Momper	12	12	.500
Wefel	7	8	.460
Snook	8	11	.421
Zelt	10	14	.416
Cupp	7	12	.368

Intersectional Basketball Closes a Very Successful Season

Section 2, composed of players from Building 26, won the championship of the Intersectional Basketball League in a battle which was not over until the final whistle. Section 1, players from Building 19, winners of one-half, was defeated by Section 2 for the championship in the final game by the score of 21 to 18. There was a large crowd in attendance which was thrilled by the battle. Some very good players were developed in this league this year and Alvin Konow is deserving of much credit for guiding the league through a very strenuous season to a successful finish.

As a preliminary to this game the G-E girls defeated the Wayne Tank girls by the score of 26 to 14.



HERMAN DOELL

G-E Chess Player Defeats Hungarian Champion

Herman Doell, who works for Wm. Wehrs in Building 19-3, was the only one in a field of twenty-one to defeat Geza Marcoczy, the Hungarian chess champion, in a match recently staged in this city. Much is said of the prowess of our basketball players and other athletes, but little attention is given to this game which probably requires deeper thinking than any other. Mr. Doell is deserving of much credit for his victory and we hope that next year we will have a tournament among the players of the plant.

Wayne Knits Win Title in Industrial Water Polo League

The Wayne Knits and Hi-Y teams, which had not lost a game, met in the final match of the season of the Water Polo League. This game proved to be the closest and most interesting of the schedule and was finally won by Wayne Knits by the score of 4 to 3. In the other game the G-E team defeated the Triangle A. C.

The next part of the schedule will be water basketball, which will be played by the same teams each Wednesday night at the Y. M. C. A. pool.

Mammoth Bowling Tournament to Be Staged Among Employees

By the time this magazine reaches your hands the first general bowling tournament to be staged among the employees of the plant will be well under way. Both men and girls are entered. The five men teams will contain one girl and four men. Double teams will be paired according to averages of the participants. Singles are also being rolled. The games are being played at the Pastime alleys, on Calhoun Street, just south of Holman Street, starting Saturday, April 4th, and will continue until completed. The results of the tournament will be published in the next issue.

John E. Hall Seletced to Conduct G-E Inter-Department Rifle Match

The G-E A. A. is undertaking to stage an inter-departmental rifle match among the employees of the plant and John E. Hall, Building 18-1, has been appointed to organize and conduct the match, which probably will be staged in the basement of Building 6 during the latter part of April.

Notes

The curtain has fallen for basketball and the stage is being set for America's national pastime. We hope the peanut growers and pop makers have prepared for a big season this year. From all indications the G-E should be well represented on the diamond again.

Oh, Glory, what is thy reward! Bruce Hamilton, a star player on the G-E team, was honored by being selected to fill the utility role on the Knights of Columbus basketball team, "The Best in the West," but by so doing he was declared ineligible to play on the G-E team.

The fact that the G-E team did not win the basketball championship casts no reflection on the ability of the players whatever. It took a "Philadelphia lawyer" to win the title again this year, not a basketball team.

The bowling tournament recently staged was the first of its kind ever attempted, but we feel sure the success of this one will encourage another next year.

More about Bruce Hamilton. The writer has played on teams with him and watched him play many games and has yet to see him guilty of any unsportsman-



GENERAL ELECTRIC Y. M. C. A. INDUSTRIAL LEAGUE TEAM

Standing: Williams, Florence, D. Hamilton, Blincoe.

Sitting: Blakeley, manager; Reynolds, Hueber, B. Hamilton, Bond; Lindemuth, coach.

like tactics in any game in which he has taken part. Nor is he a hard man for a referee to get along with.

While all of the players on the G-E squad are deserving of much credit, we pause here to render tribute to the two new men on the team, Bond and Williams, who have played great games and will go down in G-E's hall of fame. Bond's winning basket in the last few seconds of the Bowser game will not soon be forgotten.

The Teams Committee of the G-E A. A. at a recent meeting expressed by a unanimous vote their appreciation of the good work and untiring efforts of John Blakely, as manager of the Y. M. C. A. Industrial Basketball team and Ray Lindemuth as coach of the same team.

E. T. C. Boxing Bouts Were Big Success

Three Hundred Outsiders Attended the Show.

THE E. T. C. Club held the most successful boxing show in its history at the Moose Hall on March 20th. The first event on the card was a "Battle Royal" between five colored fighters. This event was a surprise to the old timers as it did not have the usual lack of action which often characterises these exhibitions. The "Battle Royal" was a real fight all the way through and when the winner knocked out the last survivor he received loud applause.

The second bout between our own Jack Bartel and "Kid" Little resulted in a knockout in the second round. Although Bartel was considerably outweighed and apparently was in distress in the first round, he came back strong in the next session and finished his man off in a very workman-like style.

The third bout between George Raling and "Dusty" Rhodes was a trifle slow, as the men were both heavier than most of the other boys. However, they were both in earnest and put up the best fight of which they were capable, the consensus of opinion being that the decision rendered would be a draw.

Tommy Tige, in the next six-round go, beat "Kid" McConnell very handily, this being a very snappy, clean bout all the way through, although no serious damage was done.

In the semi-windup Johnny Meyers, of Saginaw, greatly outpointed "Red" Spencer, of Boston. "Red" seemed a bit heavier than Johnny but his punches, although apparently dangerous, were not fast enough to catch Johnny napping. While no knock-down was scored by either fighter, Spencer was clearly in distress in the fifth round, also the early part of the sixth and the opinion of the crowd was that Johnny received the decision.

The main go was one of the best exhibitions of boxing which has been witnessed in this city for some time. This bout was between Nick Ellenwood, the present active member of the fighting El-

lenwood family, and "Red" Rodeman, who is well known as a dangerous and shiftily boy with plenty of aggressiveness and a hard hitter. Nick gratified his many friends by a trifle more than holding his own with Rodeman. The boys put on eight rounds of practically continuous milling with very little clinching or covering on the part of either. Nick is one of the fastest boys ever seen in a Fort Wayne ring and used every bit of his speed and aggressiveness to outpoint Rodeman.

Gus Klenke, the old-time fighter who is now practicing law in this city, refereed all of the bouts and did a one hundred per cent job. The public was admitted to this fight and over three hundred outsiders were there and seemed to enjoy the scrap as much as the members.

The next event of the E. T. C. Club, and the last of the season, will be the annual meeting and election of officers to be held in May.

Mock Trial Features Foremen's Meeting

DRAWING on the legal talent of the city the Foremen's Club staged an unusually entertaining mock trial at its regular meeting held March 25th. Messrs. Fagan, Fuller and Flanaigan, attorneys of our city favored the club with their knowledge of legal practices and took the parts of judge and attorneys for the plaintiff and defendant. Foreman Henry Schnurr was the plaintiff in the case, that of an action for divorce from Raymond Hoffman, who ably took the part of the eternal feminine.

Many were the witnesses drawn into the case and in these parts were H. A. Piquignot, Henry Lepper, John Smith, J. R. Pullver, L. D. Meader, H. Stahlhut, F. A. Thompson, Rus. Harruff, F. Hemrick, Salem Bickel, Gus Rogge, Harry Hire, F. Banks and E. C. Olds. The action might be described as short and decisive, the foremen having the habit of making things snappy. That all ended happily is indicated by the serving of light refreshments and cigars as the close of the evening's entertainment.

Word From Our Absent Friends

Joe Weick, employed in Building 13-C, who has been confined to his home at 731 East Washington Boulevard, since last September, recovering from an operation, is reported as greatly improved and hoping to return to work in a few weeks. This is good news, for Mr. Weick's period of disability has been long and we are all anxious for his return.

Almer Goshern, also employed in Building 13-C, is recovering nicely following an operation for gallstones. The personnel representative visited him recently and found him feeling fine and making plans for returning to work in a very short time.

John Mullen, formerly employed in the Meter Department, Building 19-B, who has been confined to his home at 609 Taylor Street, for the past four months, is

being moved to the Irene Byron Sanatorium in the hope that it will hasten his recovery. Mr. Mullen has shown a marked improvement in the past few weeks which will surely be good news to his fellow-workers, and he feels very confident that the change is going to be very beneficial to him. We trust that all the people who were acquainted with Mr. Mullen will make a special effort to drive out to the sanatorium occasionally and pay him a visit for we feel sure it will be more than appreciated and it will help while away the long hours.

Miss Mildred Lipp, an employee of the Meter Inspection Department, Building 26-4, is confined to her home at 2407 Miner Street, suffering from an attack of Bright's disease. Mildred has been feeling badly for some time and her fellow-workers are quite sure a much needed rest is going to be all that is necessary to get her back in tiptop condition and able to be back in their midst in a very short time.

Miss Bertha Lange, of the Small Motor Department, Building 4-4, who lives at 3813 South Wayne Avenue, is reported recovering nicely following an operation for goiter. This is good news, and we all hope she will continue to improve rapidly and soon be strong enough to return to her duties here. Miss Lange has been greatly missed in the department in which she works.

Miss Amelia Nahrwold, also of the Small Motor Department, Building 4-5, is confined to her home at 1009 Erie Street, following an operation for goiter which she submitted to recently at the Lutheran Hospital. Amelia is improving as well as can be expected, but it may be at least two or three months before she will be able to return to work. We are sorry to learn that Miss Nahrwold may be away from work for so long a time, and hope that if possible her recovery may be more speedy.

Harry Prine, employed as a buffer in the Motor Department, Building 4-B, is still confined to his home at 2023 Eleyetta Street. Harry has been sick for the past two months suffering from neuritis and other complications. The personnel representative visited him recently and found him greatly improved and almost counting the days until he will be able to return to work.

Miss Beatrice Robbins, employed in the Meter Department, Building 19-4, has been absent from her work for the past three months nursing her sister, who has been very sick with typhoid fever. Beatrice reports that her sister is slowly improving but it will be some time before she will be back to work. Well, Bee, we hope the sick folks continue to improve so your return will not be as far off as you expect.

Just a word from our friend Joe Zimmerman. The last report from the Visiting Committee said that Joe was a great deal better and awaiting the word from her physician that she can get up and be out. Joe is planning strongly on being able by the last of April to take a stroll over to the G-E plant and have a chat with the old gang.

Steinmetz

A Tribute By An Unimportant Man to Whom This Great Man Was Kind

MY own name does not matter. I am merely one of the men who often travel on business. I am not important in any way. Sometimes, indeed, my own unimportance is brought vividly home to me by the small men whom I meet—the great army of little people with whom my own trivial business is done.

Little people are usually too “busy” to care very much whether they are kind or not. Strange faces mean nothing in their lives. Having little to do, they must need spend the whole day doing it. Having no importance, they must somehow seem important.

Well, I am like that myself. But it seems to me that I have a vision. It seems to me that never again will I willingly be rude or indifferent to any visitor, even though he is plainly dressed, and has no particular standing in the world.

Let me tell you what happened to me.

I was trudging along, one day in the winter of 1923, down one of the interminably long corridors in the General Electric office building. I was tired. I was not noticing things very much. Far ahead of me, as I trudged along, I saw a small figure—a figure so small, indeed, that it looked like a boy. I overtook this apparition at last, and with a shock I cannot convey to you, I saw I was in the presence of Dr. Steinmetz.

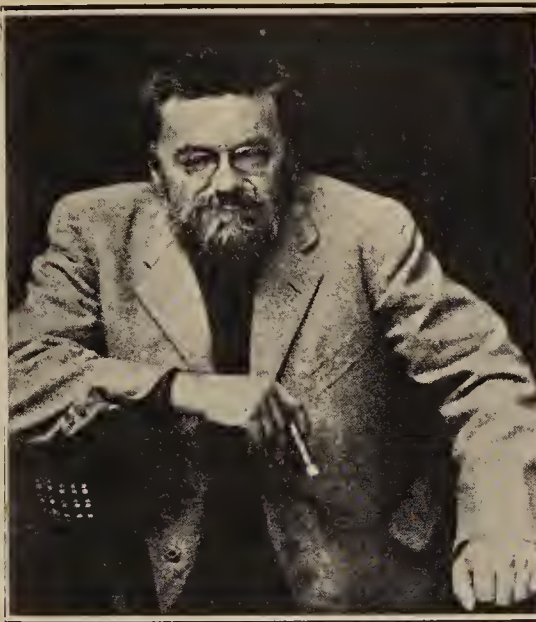
By an instinct I shall never regret, I stopped and took off my hat.

Then the miracle happened, Dr. Steinmetz stopped, too. He smiled at me. His wonderful face broke into a thousand lines of good nature, as he asked my name and business and said he hoped I enjoyed my visits to Schenectady.

When I left him, the whole day seemed somehow different—my visit to Schenectady seemed different—because I knew that I had actually seen and spoken with one of the three men of our time whom future generations will call great.

And I did not owe this great experience to a letter of introduction. I owed it entirely to the kindness, to the friendly human interest, of this great man.

I found out a great deal about him, afterwards. I read everything about him which I could find; and I talked with many of his associates. And if I have told this little story about him in such detail, it is because I have tried to get some measure that we everyday people can apply to him. We cannot hope to understand his mind, or his enormous mathematical knowledge or his superb experiments with the highest forces ever conjured up by man. But we can understand his kindness. We can remember that the first attribute of such other great men as Abraham Lincoln



DR. CHARLES PROTEUS STEINMETZ

and Louis Pasteur—was sympathy with common men. And it is with Lincoln and Pasteur that I rank Steinmetz.

He must have remembered that immortal line of Rousseau's which he surely read as a young man: “Every man goes down to the grave clutching in his right hand only the things he gave away.”

While other men sweated and struggled to get rich, to amass honors and fame, this man struggled to make the whole world rich—to get comforts and convenience for other people. I am not thinking of his great inventions alone, but of his still greater dream—a vision of the day when all the hard tasks of life will be done by electricity, when all our children—rich or poor, old or young—will find life's burdens forever lifted from their shoulders to the iron shoulders of machines.

That was his vision—a world in which all men and women will be rich in opportunity, in comfort, in leisure to think and to grow.

Put it down, therefore, as the second great characteristic of Dr. Steinmetz that his aim in life was not to receive but to give.

We all know the dauntlessness of his spirit. We grumble about our own petty afflictions; the cough that perhaps keeps us away from the movies for a night or two, the headache or the indigestion that impairs our work for short periods. Here was a man, on the other hand, who bore great afflictions with such inflexible gallantry that his friends never thought of it! Never once, I believe, did he give the smallest indication of grumbling. He faced life with a smile. Why, with our infinitely stronger bodies, should we so often cringe and complain?

Wherever the tall chimneys of electric light and power companies pierce the sky; wherever the tall towers of electric transmission lines stride across the countryside; wherever a wheel turns by electricity, or a house is made light by its radiance—there is this man's memorial, there is the tribute which humanity is paying him.

A tribute that will last as long as life itself.

Nine Fort Wayne Men Draw Suggestion Awards

THE Committee on Suggestions announces the following awards made on suggestions up to March 25, 1925:

Edward Bandt, Building 4-5, an award of \$10 on a new method of connecting vacuum pipes to dry grinders for grinding Fr. H.P. motor armatures on the above floor.

Martin Witham, an award of \$10 on a method of controlling the varnish level on the meter element dip tank. Mr. Witham is an employee of the Meter Winding Department, Building 19-4.

Ray E. Stephenson of the Mechanical Maintenance Department, Building 19-B, an award of \$10 on a safety catch for the pistons on the air presses used on induction motor rotors in Building 19-3.

Earl Sweeney, Building 26-4, an award of \$10 on a method of machining spots on phonograph motor shafts made in Building 26-4.

Harry L. Cuppy, Building 4-4, an award of \$5 on a portable conveyor section to aid in transferring material on the assembly conveyor on the above floor.

Herbert C. Braun, Meter Inspection Department, Building 19-5, an award of \$5 on a rack for testing demand meter clocks in Miller's Department, Building 19-5.

C. A. Norwalt, an award of \$5 on a design of hooks for lifting cylinder type transformer secondaries. Mr. Norwalt is employed in the Transformer Winding Department, Building 26-3.

Frank Cramer, Tank Shop, Building 27, an award of \$5 on a suggestion to change the location of the clutch lever on the rotary saw in the above department.

O. D. Coleman, an award of \$5 on a method of making studs for M-9 meters to aid in riveting them to the back plate. Mr. Coleman is employed in the Meter Light Machine Department, Building 26-4.

GROUP LIFE INSURANCE

Deaths Reported in February, 1925

Employees	Died	Beneficiary
<i>Schenectady</i>	1924	
Alex Buholtz	Oct. 30	Children
	1925	
Joseph W. Payne	Feb. 6	Wife
Richard Goldup	Feb. 6	Wife
Oscar Bouck	Feb. 9	Daughter
Thomas Maetta	Feb. 7	Son
Wm. L. Brazell	Feb. 15	Wife
Gus Chesky	Feb. 17	Wife
Charles Deacon	Feb. 17	Wife
<i>River Works</i>	1924	
Yusef Szadzis	Nov. 29	Father
Frank W. Richardson	Dec. 10	Son
<i>West Lynn Works</i>		
Wm. M. Uzdavinis	Oct. 27	Children
<i>Pittsfield</i>	1925	
Mary O. B. Rogers	Jan. 23	Husband
John E. Dowling	Jan. 28	Wife
John J. Shelly	Feb. 4	Mother
Wm. J. Casey	Feb. 9	Wife
<i>Fort Wayne</i>		
Albert Davis	Jan. 25	Mother
<i>Bloomfield</i>		
John B. Gausepohl	Feb. 10	Wife
<i>Bridgeport</i>		
May Dillon	Feb. 11	Mother
<i>I. G-E Co. South Africa</i>		
Leslie W. Cuffley	Jan. 11	Mother
Total—19 Deaths		\$25,500.00

G-E JUNIORS' PAGE

Dear G-E Juniors:

I have some very good news for you this month. Our G-E Junior Club is growing very fast. This month we received seventeen letters from children from Fort Wayne and five from Decatur. Let us keep up the good work and see if we cannot double this number. Send in your answers just as soon as possible for you know "the early bird always catches the worm."

The prize winners from Fort Wayne are:

Mary Evangeline Klingman, age nine years, of 830 East Creighton Avenue; Frank Elder, Jr., eight years, of 924 Charlotte Avenue; Esther Miller, age twelve years, of 3936 Tacoma Avenue; Edna Hoge, age fourteen years, of 911 Wilt Street, and Harry DeVaux, age ten years, of Fort Wayne, R. R. 11.

Answers were also received from Aileen Virginia Deems, of 430 Bass Street; Lillian Scheimann, of 441 East Leith Street; Marjorie Dotzer, of R. R. A, Fort Wayne; Kenneth Doell, of 1312 Summit Street; Katherine Connelley, of 1118 Van Buren Street; Geneva Schear, of 306 East Boerger Avenue; Carl Kayser, of 1302 Union Street; Mary Louise Mann of R. R. 4, Decatur; Cresence Gardt, of 2017 Weisser Park Avenue; Marie Reiber, of 918 State Boulevard; Melba Bueker, of 2511 Oliver Street and Evelyn Isenberg, of Fort Wayne.

The prize winners from Decatur are:

David Myers, of R. R. 7, Decatur; Robert Passwater, of 1234 Madison Street, and Paul Hendricks, of 404 West Marshall Street.

Other letters were received from Margaret Martin, of R. R. 10, Decatur, and Mary Helen Gaunt, of 427 Fornax Street.

As it is drawing near Easter time I thought you would like an Easter puzzle for this month. This little boy is gathering easter eggs and the rabbits who laid them are hiding. See how many you can find. You will have to look good as some of them may hide in some rather queer places. Mark the ones you find with an X, then clip out the picture neatly, enclose it in an envelope with your name, age, address, the name of your relative working at the G-E. Address it to the Junior Page Editor General Electric Co., and send it in at the earliest date possible.

The cross-word puzzle on this page was sent in by one of our G-E Junior Club members and I think it very fine. See if you can work it out and the answer will be published next month.

The picture on the next page was sent in by Evelyn Isenberg, one of our G-E Juniors. This is Evelyn and her two brothers, Robert and Byron. Their mother, Laura Isenberg, works in Building 19-4 for Mr. Snyder. We are very glad to receive such pictures as this and hope we may have more for next month.

Answer to Last Month's Flower Pi

- | | |
|------------------|----------------|
| 1. pansy | 11. rose |
| 2. dandelion | 12. tulip |
| 3. lilies | 13. violet |
| 4. sweet william | 14. daisies |
| 5. asters | 15. bluebells |
| 6. marigold | 16. lilac |
| 7. dahlia | 17. phlox |
| 8. buttercup | 18. hyacinth |
| 9. carnation | 19. snapdragon |
| 10. poppy | 20. geranium |

A Lesson Learned

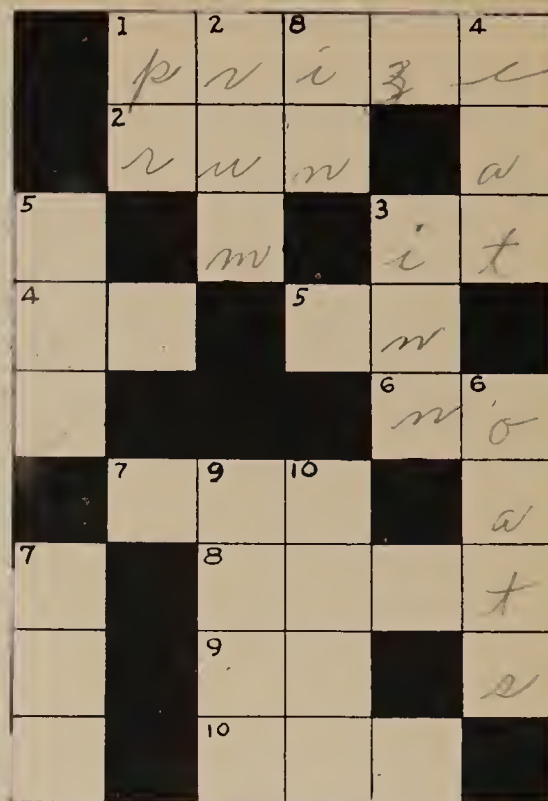
Jimmy Jones and Jackie Smith were playmates. They were of the same age and on their last birthday each had received an air gun. Spring was here and all the birds that had gone south for the winter were back or were on their way. The boys were very anxious to make use of their new guns on something really alive. So one Saturday afternoon after they had their work done they started toward the woods with their guns over their shoulders.

Just at the farther side of the orchard not far from the house was a nest on the limb of an old apple tree which one of the very first robins of the spring had built. The mother bird hopped on a rail near by when she heard the boys coming. As they came nearer she began scolding them in her bird-like talk, "Stay away, stay away," she cried.

"Ha, ha," laughed Jimmie as he raised his gun. The shot missed the frightened bird about two inches, but she did not fly away and leave her nest. She only flew to the other side of the fence.

The next shot hurt her wing so badly that she could not fly. Just then her mate came home. He was very much excited.

(Continued in column 1, next page.)



A CROSS WORD PUZZLE FOR YOU TO TRY

ACROSS

- What is given for the correct answer to a puzzle.
- To go fast.
- A pronoun.
- A preposition.
- A preposition.
- Opposite of "yes."
- What a chrysanthemum is sometimes called.
- Part of a plant that grows under the ground.
- Opposite of "stop."
- Abbreviation of England.

DOWN

- Abbreviation of price.
- What you put on your hair. Bay———(word missing).
- A small hotel.
- What we do at dinner time.
- Possessive pronoun.
- A grain that horses eat.
- Frozen water.
- A preposition.
- To coax.
- What shines at night larger than the stars.



FIND THE BUNNIES THAT LAID THE EASTER EGGS

THE PRIZE PUZZLE FOR APRIL



EVELYN, ROBERT AND BYRON IENBERG, THE FIRST G-E JUNIORS TO SEND IN THEIR PICTURES

First he flew to the nest, then to the mother bird and back to the nest again.

The boys saw that they had made the robins very sad and unhappy. So they picked up poor Mrs. Robin and carried her to the house where they bandaged her wing very carefully. In a day or so she could fly quite well so they let her go back to the orchard where she and Mr. Robin finished their home-making.

Now every spring Jimmie and Jackie take straw, strings and food out to the orchard for the birds and they never fail to find a nest in the old apple tree.

Jimmie's father is teaching and helping the boys make some new bird houses this year with their new set of tools they received on their last birthday.

Decatur Works Section

Charles Throp Resigns to Move to Los Angeles

Charles Throp of the Shipping Department, Decatur Plant, resigned on March 28th, to move to Los Angeles, Calif., in the hope that the change of climate may be beneficial to his wife's health. Mr. Throp is hopeful he may find employment with our Company in our office or warehouse at Los Angeles. Mr. Throp came into the General Electric's employ in 1913, doing work as a packer under J. R. Pulver at the Fort Wayne Plant. In 1920, he was transferred to Decatur as head shipping clerk, the position he occupied at the time of leaving for Los Angeles. While Decatur and Fort Wayne friends regret

to learn of Mr. Throp's moving so far away, they sincerely hope the change in climate may entirely restore Mrs. Throp's health.

Volunteer Firemen Held Banquet March 25th

Changes in the organization and personnel of the Volunteer Fire Department at the Decatur Plant were made the occasion of a banquet by the firemen on March 25th. Charles Throp has resigned to move to California, and Chester Klein-knight has resigned from the Fire Department because his home is in another town. These two vacancies on the force were filled by the selection of Solomon Lord and Francis Eady. Two additional men, Alvin Buffenbarger and Carl Wait joined the force recently, making in all twelve active members of the volunteer fire fighting force of the Decatur Plant. The banquet arranged by Frank Braun, the chief, was in compliment to the two retiring members and as a welcome to the four new men.

Gecode Club Girls Have Theatre Party

On March 12th the girls of the Gecode Club took the 7:00 o'clock car for Fort Wayne to attend a show at the Palace theatre. Of course, a theatre party calls for a lunch after the show, and as there wasn't time to get a lunch at Fort Wayne before the time for the 11:00 o'clock car back, the girls waited and had their lunch at a restaurant after they got back to Decatur.

The secretary of the club, Miss Esther McIntosh, is busy at odd moments talking with the more recently employed girls of the advantages of membership in the Gecode Club. At the time of turning in our Works News report, the Misses Iva and Inez Heller, Thelma Peterson, Mary Shackley and Beulah Beery have joined the club. The officers of the club hope that all the girls of the plant may see fit to join the club.

Two Decatur Men Draw Suggestion Awards

Dwight Kimble and Tilmon Gehrig of the Decatur Tool Room, an award of \$7.50 each on an improvement in the pressing fixture for pressing on collector rings on SA armatures.

Decatur City Team and G-E in Tie for City Championship

The team representing the Decatur Plant defeated the Decatur Leaders in the first game of the series for the city championship by the score of 28 to 23. The game was well played and close throughout. The second game of the series proved even more close and went to the city team by the score of 31 to 28. Mendenhall, the star of the Decatur Leaders, was not in the first game but his presence was much felt in the second game.



CHARLES THROP AND DAUGHTER

Personal Brevities

Rufus Roup, of the Assembly Department, was recently confined to his home for two weeks by an attack of tonsillitis.

Milton Brown, of the Stator Assembly Department, had the misfortune to drop a stator on his toe. He has been off duty for two weeks on account of this injury.

Miss Francille Martin is at this time (March 20th) confined to her home with an attack of lagrippe. We hope she may be again at her place in the plant ere this issue of the Works News is published.

Albert Fucks, of the yard force, was recently advanced to the position of inspector to fill the vacancy occasioned by the resignation of Albert Bienenke, who resigned to enter the shoe business with his father on Main Street.

William Kohls, foreman of the Winding Department, has been placed in charge of the Shipping Department due to the leaving of Charles Throp. Frank Braun has been given charge of the Winding Department to succeed Mr. Kohls.

Schenectady, March, 1925.—Equipment for a two million volt testing outfit has just been ordered from the General Electric Company by Leland Stanford University, located at Palo Alto, Cal. This set, when in operation, will be capable of furnishing the highest voltage ever produced at commercial frequency, and will be the only two million volt installation in existence.

The laboratory for housing the two million volt outfit is to be in charge of Prof. Harris J. Ryan, past president of the American Institute of Electrical Engineers, and a well-known authority on high tension phenomena. The university has announced that Professor Ryan will henceforth be released from all class-room work so that he can devote his entire time to research activities in this new field.



A CARELESS PRACTICE. THE ULTIMATE RESULT.

KEEPING FIT KONTEST

Accident records for February show a marked decrease in lost time accidents as compared to January accidents. Here it is:

	January	February
Infections	2	0
Fractures	2	3
Amputations	2	0
Lacerations and contusions....	5	5
Eyes	3	0
Sprains and strains	2	1
Fatal	0	0
Miscellaneous	1	1
Total	17	10

This decrease does not mean that we should cease to exercise the same care that is being taken to prevent accidents. As you note by the above that fractures have increased while lacerations and contusions remain the same and constitute our greatest cause of lost time at this plant.

The Building and Maintenance and the Contributing Department of the Fort Wayne Works and also the Decatur Works came through February without a Lost Time Accident or in other words, the 1,370 people that work in these departments practiced safety.

Short Safety Sermons

MODERN science has developed artificial limbs that perform remarkably, but has yet to discover an artificial eye that can even distinguish between night and day, let alone be able to see. Preserve these precious parts of the body by putting on a pair of safety goggles at the first indication of flying particles.

While you are chasing the dollar in this great race of life, think of how one lone accident may put you out of the running forever.

Watch out for your own and the other fellow's safety.

Look out for sharp edges and projecting parts.

Order is God's first law of harmony. Keep the aisles clear.

Don't think that because an accident has not happened, it can't happen.

Be sure to patronize the Dispensary in case of injury, no matter how slight.

Personal carefulness on everybody's part will prevent ninety per cent of the so-called accidents. These accidents are caused by, (1) Removing guards to repair belts, motors, change speeds, etc., and failing to replace them after performing such operations. (2) Allowing the mind to wander away from the immediate job that you are on. (3) Taking chances that are unnecessary. (4) Sleepiness. (5) Carelessness, etc. Always remember that *your* safety and that of *others* depends upon *you*.

Rangers of 18-1 Territory Hold Round-Up

THE cowboys and cowgirls of the 18-1 Territory held a big round-up on the evening of February 23, 1925, on 16-2 Ranch, to celebrate the birthday of George Washington. Such well-known ranch owners as Mr. and Mrs. E. L. Simpson and sons, Mr. and Mrs. Max Holz and daughter, Mr. and Mrs. Fred Schafenacker, Mr. and Mrs. J. S. Dickerson and son, Mr. and Mrs. Neal Hench, Mr. and Mrs. George Stouder and daughter, and Mr. and Mrs. Howard Orr were there.

Hearts and Red Letters interspersed with dancing were the chief amusements. The games showed clearly that Mrs. Simpson, Mrs. Hench, Vivian Powell, Julia Hilger, Mr. Holz, Mr. Stouder, and Mr. Hall were the cleverest in the territory. In fact, Mr. Stouder set himself even above this group by taking two prizes in place of the conventional one.

But the thing that will thrill the hearts of the ranch folk for some time is the discovery on that night of the territory orchestra. By some most unusual turn of fortune it was found that the 18-1 Territory possessed an orchestra worthy of note in which every man, woman, and child was

able to take a part. This is the way it happened: Everyone had gotten into such a state of harmony that, when some one of the party happened jestingly to put his thumbs into his ears and wiggle his hands in front of another of the party, the second person started playing an instrument. Upon this discovery, No. 1 tried it out on another and then another until he had covered the entire crowd, and much to his astonishment and pleasure everyone responded with another instrument; and, thus, the 18-1 Territory orchestra was discovered.

Then, in the thrill of the moment, someone started a grand march which lead the ranch folk into the dining room where they were served the goodies provided for the occasion.

The ranchers and cowpunchers who attended this round-up were: The Misses Carrie Holz, Louise Hilger, Julia Hilger, Florence Lindeman, Hilda Mueller, Helen Welch, Mary Sturdevant, Lillian Powell, Hilda Mayer, Vera Bauman, Charlotte Halauer, Mary Elizabeth Stouder, Evelyn Dougherty, Ann Rastetter, Hilda Rastetter and Dorothy Hormel, the Mesdames E. L. Simpson, Max Holz, F. D. Schafenacker, J. S. Dickerson, George Stouder, Howard Orr, Neal Hench, and the Messrs. Ernest Simpson, Jr., Orin Simpson, Joe Dickerson, E. J. Kimm, George Stinson, Erich J. Gawehn, E. L. Simpson, Max Holz, F. L. Schafenacker, J. S. Dickerson, George Stouder, Howard Orr, Neal Hench and John Hall.

L. D. Hodell Talks to the G-E Squares

AT the March meeting of the G-E Squares Tuesday evening, March 3rd, another instructive and interesting subject was presented, this time by L. D. Hodell, in charge of the Manufacturing Standards Department of the Small Motor organization. Mr. Hodell made the following classifications of the work of his department, Routing Material, Time Study, Tool and Production Control, but confined himself to a detailed discussion of time study only.

Time studies are made for purposes of setting rates upon the separate operations made in the completion of any one piece of work. Such a timing of operations makes for increased efficiency of the operator himself by bringing out unnecessary motions and show him exactly what rate it is possible to meet under ordinary conditions. In connection with his subject, Mr. Hodell pointed out that while the average salary for Fort Wayne employees is about 2 per cent lower than that of surrounding cities the scale of living is 5 per cent lower. This means that the dollar actually has more purchasing power in Fort Wayne than in Detroit, Chicago, Toledo, and the other nearby manufacturing centers. All of these and many other interesting facts were outlined and enlarged upon by Mr. Hodell.

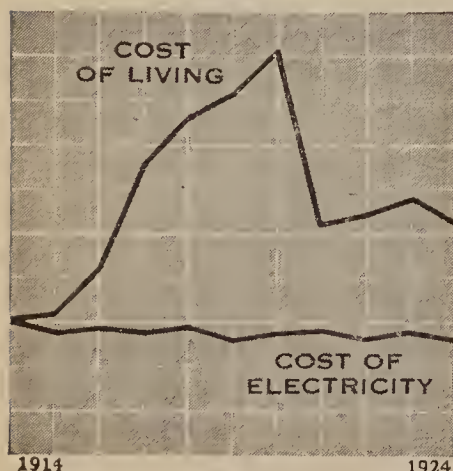
E. C. Bauman was confined to his room during the week of March 21st with a moderate case of influenza.

THE BIRTHDAY OF STEINMETZ

April 9, 1865



Dr. Steinmetz did his great work in the General Electric laboratories in the years between 1893 and 1923. He contributed in large measure to the service of your Electric Light and Power Company—a service so efficient that electric current is one of the very few products that actually cost less today than before the war.



ON April 9, 1865, he was born in Breslau. On June 3, 1889, he landed in New York City from the steerage—in debt for his passage and unable to speak our language.

Twelve years later he was elected president of the American Institute of Electrical Engineers. President Eliot of Harvard proclaimed him the foremost electrical engineer in the world.

On October 26, 1923, he died.

Did ever a few brief years witness more miracles? When

his life began, there was not a single electric light and power company. When it ended, there were 6,000 in America, serving more than 11,000,000 homes.

Physically frail himself, he helped to make electricity the great lifter of burdens; by his courage and vision he was an inspiration to the whole electrical industry.

Such a man deserves to be remembered on his birthday, not on the day of his death. For in the larger sense he does not die. Humanity is permanently richer because of what he gave.

GENERAL ELECTRIC



Vol. 9—No. 5

May, 1925

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



Girls and Machines

MANY of the visitors at our plant are no doubt somewhat astonished at finding girls operating such fast running and seemingly complicated machines. Such visitors, we believe, must be more than astonished in noting the speed at which most of these girls' hands move in doing work at these machines. The many movements that a girl's hands make and the many things the girl must do in winding a coil on one of the high speed winding machines would lead one to believe that it must take these girls months to learn their jobs. The fact is that most girls learn in a very short time. The speed which the good operators attain comes only with practice, and is something that the average man never could attain. The hands of a man are simply not adapted to the quick and intricate movements that mean production in coil winding work.

On the cover of this issue we feature one of the Meter Department's excellent operators in coil winding work. The young lady, Hilda Horstmeyer, is winding Type I-14 Watthour Meter potential coils. Into these coils the girl winds hundreds of turns of wire and between the layers of turns places strips of insulating material. On the machine in the photo the girl winds two coils at the same time. When she presses the treadle of the machine the spindles just hum. But the girl's hands also move fast. There are a number of things which the hands must do, and the girl must pay strict attention to her work. Two hundred and fifty coils, the girl will tell you, is a good day's work. And the cleverness of this girl in doing her work is simply typical of that of many skilled girl operators who work in our plant.

General Electric's Methods of Research and Development Described by Works Manager W. S. Goll

How Devices Which We Manufacture and Sell Are Worked Out, and Later Improved

Why Labor, Cost of Materials and Overhead Are Not the Only Items Determining the Cost of Our Manufactured Product

A Paper Delivered by Our Works Manager W. S. Goll Before the Quest Club

THE average playgoer attending a performance of a musical comedy, I venture to say, has little appreciation, even granting that he gives it a passing thought, of the vast amount of preliminary work necessary to a production of this character. He understands in a vague way no doubt that some preparation is required, but does he realize that

First, the story or book must be invented and put into dramatic form and suitable lyrics or song verses developed to fit the action of the play. Then a composer must be found with sufficient imagination, ability and experience to write melodies and orchestrations appropriate to the theme and sentiment of the story. Then follows a protracted period of collaboration between these two, the writer of the book and the composer, consisting of cutting and fitting and tinkering in an effort to adapt these two essential elements the one to the other in an effort to produce that combination much to be desired, a "hit." The producer must then find a cast, this task consisting of an intricate process of selection and rejection of stars and lesser lights, the principal considerations being suitability, whether they are already under contract and therefore not available, and whether the weekly salary roll can be kept within limits that will permit of a financial success.

Further considerations involve the design and preparation of scenery, properties and costumes, securing a suitable theatre for the initial presentation and a long run, if the undertaking is a success, advertising, and last and of prime importance, rehearsals. The latter include a vast amount of tinkering on the part of owner and producer, writer and composer, stage director and actors in an effort to whip the production into such form as in their best judgment will make the correct appeal to their audiences. I know of one grand opera presented recently in Chicago by the Civic Opera Company of that city, which involved the expenditure of over \$80,000 before the curtain rose on its premier performance, and that particular opera was

presented just three times in its first season. The scenery, costumes and properties are now in fireproof storage ready for a few additional presentations in the years to follow. The interest alone at 5 per cent on this investment for one opera is \$4,000 per year, which gives one some appreciation of the high cost of seats for grand opera.

One point I wish to make is that a considerable amount of work (which might be termed "development") is necessary before the finished article is ready for presentation to the public.

In like manner practically every device in general use and the comforts and conveniences of which we accept more or less as a matter of fact, involve similar "de-

velopment." The every-day conveniences such as telephones, automobiles, vacuum sweepers, washing machines, sewing machines, typewriters, incandescent lamps, moving picture machines, radio equipments, X-ray apparatus were given to the world after long and patient and expensive processes of research and invention and development, and these processes are continuing incessantly in order to improve and cheapen these articles and so broaden their sphere of usefulness and make available their blessings to a larger number of our people.

It is true that some very ingenious and useful devices have been conceived and
(Continued on page 10)

Home Lighting Contest For G-E Employees Only

Ten Prizes Totaling \$160.00 to Be Awarded Employees of Our Fort Wayne Works

CONTEST STARTS MAY 1ST, AND CLOSES JUNE 1ST

EARLY in 1924 representatives of this Company, other electrical manufacturers and utilities formed a Lighting Education Committee. The purpose of this organization was to inform the public in the proper use of electric light in the home. The result was a campaign conducted in the fall of 1924, known as the Better Home Lighting Activity.

This movement reached more than 6,000,000 families with the definite story of proper lighting.

In some communities the children of electrical employees were barred from participation in the contest, so that the general public is perhaps much better informed on the subject of good lighting in the home than are those who gain their livelihood from the industry.

Realizing that it is equally as important a duty if not more important to provide

the same education for those within our industry so that we may improve the lighting in our homes and by example and advice promote similar improvements in the homes of friends and neighbors, it has been decided to have a Home Lighting Contest open to our G-E Employees only. The prizes for the Fort Wayne Works including, of course, our Decatur Plant, are as follows:

First Prize	\$50.00
Second Prize	\$25.00
Third Prize	\$15.00

and seven additional prizes of \$10.00 each, making in all ten prizes.

The rules for our G-E Home Lighting Contest will not be exactly the same as those for the National contest conducted last year. For example, a formal essay on home lighting will not be required. In-

stead of such formal essays the contestants will merely list in as brief form as possible the changes they would make in the lighting equipment they now have to bring it up to date. The modified rules for this contest are as follows:

- 1st—Study the lessons in the Primer. This booklet contains all the information for participation in the contest.
- 2nd—Light the rooms pictured in the Primer with cut-out fixtures.
- 3rd—Investigate and report on the present equipment in your own home and the homes of two neighbors.
- 4th—List in brief form the changes needed to bring your own lighting up to date.

The prizes will be awarded to ten representatives of this Works, who best do these four things. All contestants are requested to hand in their work on June 1st or previous thereto.

The material which you need for entering this contest will be simply one of the Home Lighting Primers. On our plant bulletin boards will be notices as to where they may be secured.

Arrangements will be made for one or two lectures or demonstrations to be given either during the lunch hour or in the evening to explain the principles of good lighting and to show by lantern slides or by exhibit material just how these principles are applied. If evening lectures are given an invitation will be extended to the families and friends of all employees.

Watch for posters and other announcements that soon will appear in conspicuous places in buildings where you work. These posters will tell you more about this contest for G-E employees and will explain fully how you may win one of the prizes.

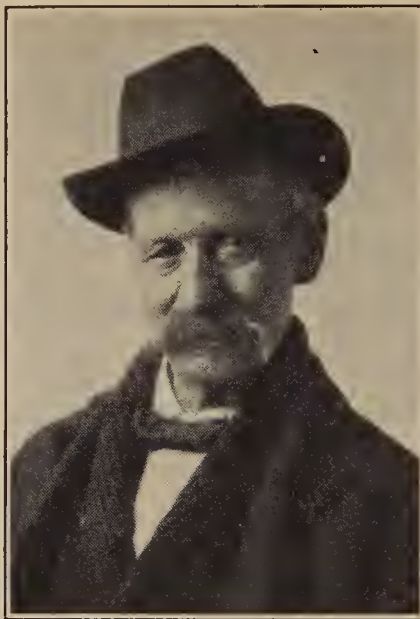
The committee in charge of this contest at our Fort Wayne Works is J. J. Kline, chairman; C. H. Matson, F. G. Duryee, X. J. Divens and W. J. Hockett.

E. T. C. Annual Election to Be Held May 12th

THE president of the Electro-Technic Club, A. C. Hartman, announces the annual election of the club which will be held in Building 16-2 on May 12th, at 8:00 p. m. A program consisting of motion pictures and a one-act dialogue will be given to entertain the members and a buffet luncheon will be served. Cards will also be played by those desiring to do so.

A nominating committee composed of H. L. Naden, A. M. Snodgrass, H. Miller, M. Einsidel, and H. Anderson has announced a list of candidates as follows: C. H. Baade, H. A. Wilding, H. J. Andress, H. Atkins, L. Garman, F. C. Graffe, S. M. Cook, Art Knoll, F. Schafnacker, Ed Witte.

It will be noted that these are almost equally divided between the East and West sides of Broadway. Five directors will be elected and after these five are elected they will pick the president, vice-president, secretary and treasurer of the club for the coming year.

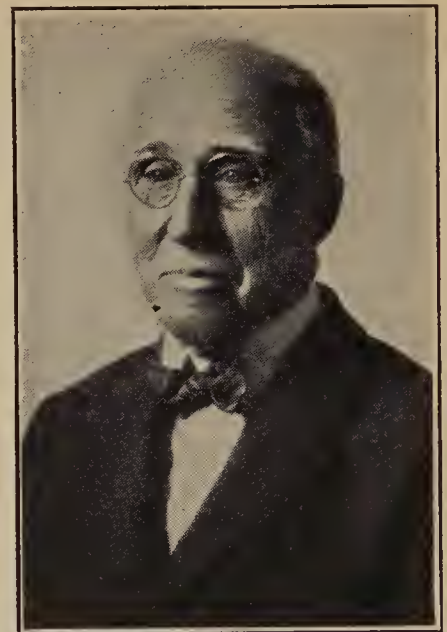


SYLVESTER RICHARDS

Two Faithful Employees Go on Retired List

TWO more employees of our Plant have by their advanced age and by long years of faithful service earned the honor and privilege of being retired from active service on pension granted them by the Company. The first of these is Sylvester Richards, who has a total of thirty-six years of active service at the General Electric to his credit. For eighteen years he served as the plant watchman. From the watchman service he was transferred to the Meter Department, where he served seven years working on clock movements. For the past seven years he has been inspector in the Meter Department inspecting clock movements and meter pivots. This inspection work is very exacting and requires particularly good eyesight, as clock movements and meter pivots must not only be very accurately made but must be smoothly finished if the clocks and meters are to work correctly. Although now 72 years of age, Mr. Richards has not required the use of glasses in his inspection work, which in itself is a truly remarkable fact. Mr. Richards was born in Huntington, Ind., in 1852, and came to Fort Wayne in the year 1884. It was five years later that he came to work for the General Electric Company. He lives at 2117 South Broadway, which is happily but a short distance from our Plant, and no doubt Mr. Richards will take frequent occasions to visit his friends at the G-E.

Charles A. Howell, who has been a tool maker in the Tool and Die Making Department for the past twenty-three years, will be retired on pension May 2. Mr. Howell has made a very fine record for himself as a highly skilled dependable workman. He has served continuously since he was engaged September 5, 1882, under Foremen Johnson, Paul Wood, B. C. Evans and Frank Hoffman, who in turn have had charge of tool and die making work here at our Plant. Although now 73 years of age, Mr. Howell is enjoying good health and his many friends here hope he may



CHARLES A. HOWELL

continue to enjoy life for many years to come. Mr. Howell also lives quite close to our Plant, his address being 1436 Swinney Avenue. Happily it will be but a short walk for him when he wishes to make a call on his old acquaintances in the shop.

Among Our Absent Employees

George Lenz, employed in the Fractional Horsepower Motor Test, Building 4-4, is a patient at the St. Joseph Hospital following a severe attack of pneumonia. Mr. Lenz's condition was considered critical for some time, but he is now improving and hopes to leave the hospital in a short time and return to his home at 1312 Hanna Street.

William Murphy of the Field Winding Department, Building 2-2, is confined to his home at 601 Lavina Street suffering from acute indigestion and heart trouble. The personnel representative visited him recently and found him showing some signs of improvement but still unable to return to his duties.

John Grosjean of the Shipping Department, Building 6-3, is ill at his home, 2329 North Clinton Street, suffering from a severe attack of quinsy. The latest report from his home is that he is feeling some better, but will not be able to return to work until he recovers from an operation for the removal of his tonsils.

John McNulty, employed in the Foundry, is confined to his home at 1531 Lombard Avenue, suffering from stomach and heart trouble. Mr. McNulty's condition is somewhat improved and he is hoping to return to work in the near future.

Ezra Garringer, employed as a winder in Building 19-4, is now at his home, 1219 Van Buren Street, recovering from an operation which he submitted to recently at the St. Joseph Hospital. The personnel representative visited him a few days ago and found him feeling fine and hoping to return to work in a short time.

Guy Miller, punch press operator in Building 26-4, is a patient at the St. Joseph Hospital, having submitted to an

operation recently. The latest report from his bedside is that he is coming along fine and is in hopes of leaving the hospital in a short time and returning to his home at 1017 Erie Street.

Lorenzo Ireland, employed in the Punch Press Department, Building 26-1, is a patient at the St. Joseph Hospital recovering from an operation for appendicitis. Mr. Ireland has been in a serious condition but is now feeling some better and hopes to be fully recovered and back on the job in the near future.

Nora Meitzler of the Meter Department, Building 26-4, who has been sick for some time following an attack of influenza, has gone to the home of her parents in Huntington in the hopes of recovering more rapidly. The latest report from her home is that she is feeling some better but it will be several weeks before she can return to work.

Sylvester Minnich, employed in Building 17-1, and residing at 1746 Franklin Avenue, has been confined to his home for some time suffering from complications. The latest report from the personnel representative who visited him recently, is that he is feeling some better and is planning on returning to work in a short time.

Fred Lunz of the Induction Motor Department, Building 19-3, is confined to his home at 1211 Lake Avenue suffering from neuritis. Mr. Lunz reports that he is feeling some better but thinks it will be some time before he will be able to return to work.

D. Laisure, employed in the Induction Motor Department, Building 19-3, is confined to his home on R. R. No. 10 suffering from lung fever. Mr. Laisure has been absent for some time but is now steadily improving and hopes to return to work in the near future.

H. E. Bruner, employed in Building 4-2 and residing at 1236 Huestis Avenue, has been quite sick and is now confined to a sanatorium at Battle Creek, Mich., in the hope of getting relief from stomach trouble. The latest report from him is that he is improving and feels confident that it will not be long until he can return to work.

Albert Baker, employed in Building 19, is confined to his home suffering from erysipelas. Mr. Baker has made several attempts to work but so far has been unable to stay on the job, as there is always a recurrence of the old malady. However, he feels sure that in a few weeks he will have fully recovered and will be able to be back with his fellow workers.

George Betz of the Tool Coop in Building 19-4 is still confined to his home on Lindenwood Avenue, suffering from an infection in his eyes. Mr. Betz has been having quite a siege and we all hope that it will not be long until he can return to work, for he has been greatly missed by all who are associated with him.

Harvey Tracey, employed in Building 4-5, has been away from work for the past month and is now in Detroit, Mich., taking treatments for a nasal infection which has

been giving him trouble for some time. He hopes to return to work about the first of May fully recovered.



PAUL MENZE

Paul Menze Latest Graduate of G-E Apprentice School

Six New Students Take Up Apprentice Courses

ON March 30th, Paul Menze, of 120 Eliza Street, completed our four years apprentice course for Machinist and Toolmaker and with his diploma received a one hundred dollar bonus for handling both shop and class work satisfactorily. In fact, he was given six weeks' credit for especially good work so that his period of apprenticeship was shorted by that amount. Menze is a Fort Wayne boy, his preparatory work being done at St. Paul's Lutheran School. On leaving school he took work at the Fort Wayne Printing Company, and came from there to enter on his apprentice work here at the G-E. At present Mr. Menze is working in the tool room, Building 26-5.

Kenneth Williams, Lawrence Blum, Robert Adams, Virgil Hoy, Kenneth Rupp, and Hershel Nash are new students taking up apprentice work here. Williams came here following graduation from the Mathews, Ind., High School. Blum left Fort Wayne South Side High School after one and a half years' work there to take up the apprentice work, while Adams came to us after two and one-half years at the Harlan High School. Hoy had three years at our city's South Side High School and then worked at the Wayne Tank & Pump Co., for a time previous to entering our apprentice school. Rupp came to us following four years' work at Fort Wayne Central High School. These five men are all taking the Machinist and Toolmakers' course.

Hershel Nash is the only one of the new students signed up for the Electrical Tester course. He is a Wells County boy, a graduate of the Markle High School. Twelve weeks at a Normal school and a year at another college followed by sev-

eral terms as a school teacher preceded his enrollment in the apprentice work.

The Works News is glad to welcome all these new apprentices to our midst.

Out of Nine Suggestions Awards Three Go to Women

THE Committee on Suggestions announces the following awards made on suggestions up to April 22, 1925:

Edward David of the Shipping Department, Building 6-2, an award of \$15.00 on a suggestion to use a corrugated paper box for packing P-4 demand meters in place of the wooden box formerly used. Mr. David also received an award of \$5.00 on a suggestion to substitute a corrugated box for the wooden box in packing C.S-2 clocks.

The following suggestors were given awards of \$5.00 each:

A. C. Scherer of the Tank Shop, Building 27, beveling the edge of the rolls on the boiler tube rollers used in that department.

Arthur Wedler, Building 19-5, changing routine so tool supply department gets a copy of the form for change in an employee's name.

Louis Schellhammer, Building 27, Tank Shop, increasing the size of the rolls on the roller type cradles used in the Welding Department.

Mrs. Cora Hosack, Induction Motor Winding Department, Building 19-2, corner taping leads on ATB stator coils made in the above department.

Miss Golda Mills, Small Transformer Winding Department, Building 26-3, method of opening window in center of fibre anchor used on Bell Transformers.

Mrs. Norma Taylor, Meter Winding Department, Building 19-4, stop for conveyor in the above department.

Ernest E. Yoder, Fractional Horsepower Automatic Screw Machine Department, Building 4-3, guard for cams and fingers for chucking collets on W. & S. hand screw machines in Building 4-3.

Maurice Sordelet, Special Machine Department, Building 26-5, guard for centering machine located in Building 26-5.

Radio is now used to discover leakages of power on high tension electric transmission lines. Patrol linemen, equipped with the necessary apparatus, make regular trips beneath the power lines to detect trouble of this sort.

Chicago is extending its new street lighting system. The city has just ordered another 6,500 General Electric ornamental Novalux units. The total cost of the new system will be over a million dollars.

Transferring a petting party from the parlor sofa to a chummy roadster has cancelled many a wedding.

Our greatest undeveloped resource is the odd-looking spherical knob attached to the upper end of the spinal column of each American citizen.

FORT WAYNE WORKS NEWS

*Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.*

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding

X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
R. F. Smith.....Safety
Helen Fuhrman.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Verena Miller.....Decatur Works

REPORTORIAL STAFF

S. C. Newlin.....Electro-Technic Club
Alma Olson.....Elex Club
Carrol Blincoe.....Apprentice Association
Fred Duryee.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
Perry Shober.....Band
J. F. Hall.....Quarter Century Club
Edward Witte.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
E. L. Misegades.....G-E Squares
Irene Fox.....Absent Employees

Vol. 9 May, 1925 No. 5

ORDERS received by the General Electric Company for the three months ended March 31, comprising the first quarter of the present year, amounted to \$83,-846,236, as compared with \$73,487,903 in the same quarter of 1924, according to an announcement by President Gerard Swope. This is an increase of 14 per cent.

THE General Electric Company on April 5th announced an average reduction of 10 per cent on standard types of polyphase induction motors in sizes from 1 to 15 horsepower inclusive, and an average of 4 per cent in sizes from 15 to 100 horsepower inclusive, both effective April 6.

In making the announcement, J. G. Barry, vice-president, said: "These motors are used to the extent of millions of dollars per year in factories and workshops. Improvements in design, in standardization and in processes of manufacture have produced lower costs, making this reduction in price possible."

AT the annual meeting on May 12th, stockholders of the General Electric Company will vote on a proposition to increase the authorized amount of special \$10 stock from \$35,000,000 to \$55,000,000. The proposal is made because there is only about \$8,000,000 of the authorized special stock remaining in the treasury, over \$26,-700,000 having been paid to stockholders under the policy followed since 1922 of paying 5 per cent in special stock annually on \$180,287,000 outstanding of common stock.

Fractional horsepower engineers of the General Electric Company were recently asked to design electric drive for a device which automatically dusts chicks with in-

GENERAL ELECTRIC COMPANY

April 9, 1925.

TO THE STOCKHOLDERS OF THE GENERAL ELECTRIC COMPANY

IN the latter part of 1921 charges were made before the Legislative Committee of the State of New York—the so-called "Lockwood Committee"—that the General Electric Company had created and was maintaining an unlawful monopoly in the manufacture of tungsten-filament incandescent electric lamps and that its sales methods in the marketing of such lamps were illegal.

In January, 1922, the General Electric Company wrote to the Attorney General of the United States denying these charges, pointing out that if the charges were true the Company was a violator of the Federal laws and inviting the Department of Justice to investigate the charges and, if the conclusion was reached that any of the acts of the Company were of doubtful validity, to bring an appropriate proceeding in the courts in order that the matter might be determined.

Thereafter the Department of Justice made a thorough and detailed examination of the lamp business of the General Electric Company and, in February, 1924, brought a suit in the United States District Court in Cleveland against the General Electric Company and against the Westinghouse Companies who were operating under licenses granted to them under patents of the General Electric Company.

In that suit the Government charged that the General Electric Company was violating the anti-trust laws in marketing its tungsten incandescent lamps through agents throughout the United States, and charged also that the license agreement with the Westinghouse Company was illegal.

The case was fully argued in Cleveland and, on April 3, 1925, the court rendered a decision in favor of the General Electric Company.

The General Electric Company has licensed, in addition to the Westinghouse Company, thirteen other manufacturers whose combined output constitutes less than 10 per cent of the total product made and sold in the United States, but as to these thirteen no complaint was made.

The General Electric Company markets its lamps through agents throughout the United States and in this way is in position to see that the agent carries the proper stock, gives good service and sells at uniform prices to the consumer. This business constitutes approximately 61 per cent of the total trade in these patented lamps, whereas some twelve years ago the General Electric Company did as much as 80 per cent of the total. The court stated in this connection "the building up of a system adequate in size to market the product becomes the only ground of criticism and, in my opinion, is without merit."

sect power. Entering the machine by the lure of feed, the fowl steps on a trap door, which automatically starts the dusting process.

After many years of conservatism on the part of the directors, the National Library of Paris has finally been equipped for electric lighting. So dim was natural light in this library, because of the opaque windows, that in the winter the reading room had to be closed at three o'clock.

America's per capita use of electricity amounts to approximately six hundred kilowatt hours in the course of a year. In Great Britain the per capita consumption is 150 kilowatt hours.

Public utilities of the United States, especially the electric light and power companies, added more than a billion and a quarter to their capital during 1924 in their effort to keep pace with the demand for electrical service.

GENERAL ELECTRIC COMPANY

Finally the court said that "the conditions complained of have been in existence since at least March 1, 1912. The agency method of selling, as well as the license agreements in question, were not adopted until after they were submitted to the Attorney General of the United States for his information and consideration. They were neither approved nor disapproved; but defendants' later operations have been only after a full disclosure and during a period of prolonged silence. In 1919 all the matters complained of in the bill were brought to the attention of the Federal Trade Commission. On May 26, 1920, an order was made dismissing the complaint, and the grounds of such dismissal are stated as follows: 'The commission of course recognized that your company had the right to prescribe the prices at which its own agents could sell its products, and likewise the right to prescribe the prices to be maintained by its licensees as a condition upon which such licensees could sell the articles protected by its patent. As to the charges of exclusive dealing (tying contracts and full-line forcing) and of refusal to sell, these were not supported by the evidence in the record.' No complaint is made that defendants offend in the respects stated in the last sentence of this quotation. To be sure, the Federal Trade Commission's finding does not estop the Government in this proceeding, but that conclusion correctly summarizes the facts as disclosed in this record and accurately states my view of the law.

"Such changes in methods of doing business as have been made since 1912 are in favor of freeing rather than restricting interstate trade. Other licenses have been granted, some thirteen in all. These other licensees and infringers have acquired a larger share of the total trade and the trade of the General Electric Company has diminished. It appears that its system is less costly and more economical to the consumer, has improved service to the customer, and had kept prices stationary if it has not reduced them in an epoch of rapidly rising prices. If the license agreement is stricken down, it does not free the Westinghouse Company or its business from any illegal restraint; it would leave the General Electric Company in exclusive ownership of the patents and would authorize, if it did not compel it, to take over the entire business of selling electric lamps having tungsten filaments. This result could be avoided only by depriving the General Electric Company of its patent monopoly or making a new license agreement between it and the Westinghouse Company on terms to be fixed by the Court, and the right to do either is beyond the power of this court.

"The bill will be dismissed for want of equity."

The complete opinion of the District Court of the United States of the Northern District of Ohio, Eastern Division, is enclosed.

OWEN D. YOUNG, Chairman.
GERARD SWOPE, President.

In the realm of small things, a tiny electric furnace, so small that it will slip into one's coat pocket, if one wanted to carry a furnace in that precarious locality, is reported. It is designed for use in laboratories and home workshops. It will produce a temperature of 1,600 degrees.

To aid in the opening up a 30,000-acre tract of coal land in the Pocahontas coal field of West Virginia, twelve electric locomotives, mine type, have been pur-

chased from the General Electric Company. An automatic substation is part of the equipment.

For commercial use in the manufacture of high voltage cable, a laboratory is to be established in Boston which will include in its equipment a General Electric 750,000-volt testing set. Harvard and Massachusetts Institute of Technology will have the use of the laboratory at times.

Goblins for the Grownups

(From The Democrat, Linden, Ala.,
March 26, 1925)

THE program of the United States Senate to investigate the General Electric Company, on the theory that it is a monopoly controlling production and distribution of electric energy and the manufacture, sale and distribution of electrical equipment, has resulted in some remarkable comment from American editors.

Instead of general approval of the senate action, as might have been the case twenty years ago, press comment has been caustic and shows that editors no longer swallow investigation proposals at a gulp.

Today they analyze conditions surrounding the property in question, the character of its officers and its record as a business concern. Mere size in a corporation is no longer considered a danger by the American public, but "It took two decades to convince the average man that big business can do quickly what little business never can do, that it can stimulate production where it needs stimulating, restrain excessive and destructive competition, eliminate waste, stabilize both output and distribution and utilize the nation's resources to the greatest general advantage," says the New York Herald-Tribune.

Continuing, the Herald-Tribune says: "The General Electric Company has had a stupendous growth and has done a great service to American industry. Whatever else the Federal Trade Commission's investigation may disclose, it will show the company's splendid contribution to American prosperity. It will prove that the company, through its auxiliaries, has helped in the last ten years or so to restore the public service utility companies of the country to economic vigor and to accelerate industrial growth in regions dependent on a supply of electric power."

The "Trust Goblins" of 1900 no longer scare the American public so much as do "Political Goblins" which threaten national industrial stability, steady payrolls and security of investments.

The New York Times says: "Once it was the railroads, then it was oil and tobacco, now it is power. But so far as the senate is concerned, its ordering of this investigation makes opposite the story which President Wilson used to tell of the old deacon who said to the young clergyman: 'What you ought to pray for, my brother, is not power but ideas.'"

With the best anti-trust laws in the world, a federal trade commission, an interstate commerce commission, forty-six state public service and railroad commissions, a system of courts that is open to one and all and numerous restrictive and regulatory commissions, boards and bureaus, it is a reflection on our whole system of laws, our judicial, executive and administrative officers to claim that any company or corporation in this nation has developed into a monopoly in restraint of or in opposition to the country's electric power development.

Second Annual Report G-E Employees' Securities Corporation Emphasizes Stability

PRESIDENT J. R. LOVEJOY issued the Second Annual Report of the G-E Employees Securities Corporation at the annual meeting of stockholders and bondholders. The report comments on the rapid growth of the Company and describes the means by which income is derived. A study of the report gives confidence in the stability of the Company.

Schenectady, April 6, 1925.

To the Stockholders and Bondholders of the G-E Employees' Securities Corporation:

Your corporation has now been in existence for two years. In this brief period its growth has been extremely rapid. The first issue of its six per cent bonds amounted to \$5,000,000 and was offered for subscription in March, 1923. The entire issue was taken by 24,670 employees of the General Electric Company. The total of outstanding bonds at December 31, 1924, was \$12,500,000, and the board of directors recently authorized the issuance of \$7,500,000 additional bonds, which will be offered for subscription during the year 1925.

The securities owned by the corporation and from which its principal income is derived, are carried on the books at their cost value and may be classified as follows:

Bonds and notes of public utility companies	\$ 1,166,766.46
Preferred stocks of public utility companies	6,914,851.81
Common stocks of public utility companies	2,798,366.09
Stocks of General Electric Company and associated companies	5,171,413.30
	<hr/>
	\$16,051,397.66

The market value of these securities at this date is in excess of \$20,000,000. The

average annual yield on all securities owned, based on their cost, is 7.68% and, based on their market value, is 6.14%.

Interest received and accrued and dividends received from January 1, 1924, to December 31, 1924, amounted to \$908,718
Interest paid and accrued on bonds outstanding and general expenses of the corporation for the same period amounted to 762,092

Leaving net income for 1924 added to surplus \$146,626

In addition to the net income of \$146,626, the profit on certain securities sold during the year aggregated \$252,663.98, which was not taken into the income account, but which was set aside as a reserve against possible future losses on securities.

The number of bondholders of record December 31, 1924, at the several works and offices of the General Electric Company is as follows:

Number of Bondholders

Schenectady Works	7,189
Lynn River Works	2,353
Pittsfield Works	1,754
National Lamp Works	1,738
General Office	1,641
Fort Wayne Works	1,251
Edison Lamp Works	1,169
Erie Works	1,042
West Lynn Works	930
Chicago Office	465
New York Office	457
Bloomfield Works	310
Philadelphia Office	308
Bridgeport Works	240
Cincinnati Office	168
Boston Office	165
Baltimore Office	157
Philadelphia Works	145
San Francisco Office	100
All other locations	785

Total 22,367

Average holdings of bondholders \$556

Balance Sheet—December 31, 1924

ASSETS

Investment securities, at cost	\$16,051,397.66
Accrued interest on securities (other than stocks)	27,970.83
Cash in banks	158,775.93
	<hr/>
	\$16,238,144.42

LIABILITIES AND CAPITAL

G-E Employees debentures (6%) due February 1, 1973:	
Authorized—\$20,000,000.00	
Issued	\$12,500,000.00
Accrued interest thereon	62,500.00
Accounts payable	11,559.79
Reserve for possible losses on securities	252,663.98
Capital stock:	
Authorized, 40,000 shares of no par value	
Issued, 25,000 shares, paid in	\$3,125,000.00
Surplus earned	286,420.65
	<hr/>
	\$3,411,420.65

Contingent liabilities—none.

ATHLETICS

G-E A. A.

City Industrial Baseball League Opens Season May 2nd

Five teams comprise the new City Industrial League which opens the season Saturday, May 2nd. The industries represented are International Harvester Co., General Electric, Pennsylvania, Wayne Tank and Western Gas. All games will be played on Lincoln Life Field Saturday afternoons, a double header being played each time, the first game being called at 2:00 p. m.

The General Electric club has a wealth of material from which to pick a team and should have the best team in the history of the plant. For pitchers the candidates are Romine, former Central Leaguer; Stauffer, last year's star; Parker, of last year's Y. M. C. A. team; E. Hamilton, Shady, Harwood and Timme. On the receiving end are Williams, Leybrook and Reynolds. The candidates for the other positions are all of high calibre and capable of playing a high grade of baseball.

The price of admission is only thirty-five cents for two games, which entitles one to a grandstand seat.

In the first round of play the G-E team meets the various clubs in the following order:

May 2—Wayne Tank.
May 9—Western Gas.
May 23—Pennsylvania.
June 6—International Harvester.

The complete schedule will be published next month.

Y. M. C. A. Amateur Industrial Baseball League Organized

The Y. M. C. A. Amateur Industrial Baseball League will open the season May 2nd with ten teams in the league. These teams are Pennsylvania, Bowser, Wabash, Dudlo, Wayne Tank, Wayne Knit, Printing Co., Utensils Co., Tokheim and General Electric. The games will be played each Saturday afternoon on the diamonds of the various parks of the city. George Bridges has been selected to manage the team with A. Delagrange as his assistant. Art Humes will coach the team. Most of the players of last year's team are trying out for positions and with several new faces the team should be even stronger than last year's championship club. The season will start on May 2nd with the G-E team meeting the Pennsylvania nine on the Foster Park diamond.

Y. M. C. A. Industrial Volleyball League Resumes Schedule

The Y. M. C. A. Industrial Volleyball League resumed its play upon completion of the basketball games. The rest seemed to benefit the G-E team considerably as it started the second round by winning three



CHAMPIONS INTERSECTIONAL BASKETBALL LEAGUE

Standing (left to right)—W. Bowers, A. Marting, C. Biedenweg, Fletter, Collins, C. Kinsel.
Sitting (left to right)—Stone, George Grandchamp, L. Kintz, Asst. Mgr., D. Horning, Ed. Kibiger.

games from Wayne Tank by the score of 15-11, 15-5 and 15-6. The games are played each Wednesday evening in the Y. M. C. A. gymnasium and are open to the public. The season will continue until May 20. The schedule of the G-E team is as follows:

April 15—G-E vs. Wayne Tank, 8:15 p. m.
April 22—G-E vs. Bowers, 9:00 p. m.
April 29—G-E vs. Dudlo, 9:00 p. m.
May 13—G-E vs. Knitting Mills, 8:45 p. m.
May 20—G-E vs. Pennsylvania, 9:00 p. m.

Kromm Wins Billiard Tournament During Month of March

Leonard finished the month of March with the highest percentage of games won but as he was winner previously a playoff was necessary to determine the winner. Kromm, Wolfe and Newlin, being runners-up, played a series which was won by Kromm and he was awarded the prize for the month. Cupp, with a run of 16, was high for the period. The standing of the contestants was as follows:

	Won	Lost	Pct.
Leonard	16	6	.727
Kromm	18	8	.704
Wolfe	10	7	.611
Newlin	10	7	.588
Ditton	14	10	.583
Doan	11	9	.579
Rittenhouse	9	7	.562
Hench	9	7	.562
Cupp	10	8	.552
Zelt	9	8	.530
Snook	12	11	.522

Wefel	12	12	.500
Einseidel	9	9	.500
Florence	9	9	.500
Hageman	7	12	.369
Momper	2	17	.105
Lindemuth	3	16	.105

Notes

The City Industrial Baseball League should furnish an excellent baseball attraction for the fans this year. Two good games with evenly matched players for thirty-five cents should draw a large crowd.

In Romine, who formerly pitched for the Fort Wayne team in the Central League, the G-E team has a pitcher of high calibre.

"Wid" Williams, formerly backstop for the Angola team of the Northern Indiana League, will be a worthy battery mate for Romine. These two men will make a valuable battery for the Green and White.

The bowling tournament recently staged was a much greater success than ever was hoped for. The entry list was extremely large and would have been almost beyond handling had any extra publicity been given the affair.

The Y. M. C. A. Industrial League has a much larger enrollment than ever before. The games will be played on the diamonds of the various city parks.

Meter Dept. Bowling League Closes Successful Season

The G-E Meter Department Bowling League has just closed a very successful season and set some new records to shoot at next year. The Bases won the championship in the first half and the Covers in the second half. In a championship game between these two teams, the Bases won by 250 pins. The scores of these games are as follows:

COVERS			
Name	1st Game	2nd Game	3rd Game
Lawrence	150	152	198
Schwartz	138	152	144
E. Eyllenberg	82	111	107
McNamara	124	115	126
Hambrock	145	139	145

Totals 639 669 720
Total pins—2,028.

BASES			
Name	1st Game	2nd Game	3rd Game
Address	142	140	160
Payton	143	134	137
Niemeyer	156	157	128
Rose	144	159	159
Weick	156	181	182

Totals 741 771 766
Total pins—2,278.

High team score for one game was made by the Registers rolling 904. The Bases were second with 888, and the Pivots third with 881. In the second half the Seals were high with 942, the Magnets were second with 927 and the Covers third with 895. The Bases were high for three games with 2,582. The Terminals were second with 2,455 and the Registers third with 2,427 for the first half. In the second half the Seals were high with 2,548, the Elements were second with 2,529 and the Terminals were third with 2,526.

Prizes for the best attendance were won by the Covers and the Magnets. Twenty-six bowlers were given prizes for perfect attendance at all scheduled games.

Breimeier had high individual score for a single game with 268 to his credit. Weick was second with 267 and Lawrence was third with 258. For three games Weick had 642, Hueber was second with 635 and Hambrock was third with 632.

Some very good individual averages were made, Bushing being high with 176 for 108 games. The averages of the first twenty-five follow:

Pos.	Name	G. P.	Ave.
1.	Bushing	108	.176
2.	Lawrence	108	.173
3.	C. Rump	102	.171
4.	Weick	108	.171
5.	Hambrock	105	.168
6.	Snyder	108	.167
7.	Breimeier	108	.166
8.	Hueber	108	.165
9.	Haberkorn	99	.163
10.	Wood	108	.163
11.	Miller	108	.163
12.	Reitdorf	96	.162
13.	V. Rump	108	.161
14.	Voorhees	108	.160
15.	Thompson	102	.160
16.	Erdman	102	.160
17.	Heine	96	.157
18.	Timme	72	.156
19.	Bell	108	.156
20.	Allen	99	.155
21.	Dreyer	105	.155
22.	Lageman	108	.155
23.	Breidenstein	105	.152
24.	Schwartz	108	.152
25.	Andress	108	.150

"Prohibitioners" Defeat "Spitfires" in Sensational Battle

One of the most notable events that has happened to the employees in F. M. Thompson's Department of Building 4-3, was the ball game between "Spike" Gilbert's famous "Spitfires" and Nycum's Prohibition Nine, played at "Devil's Hollow" Sunday morning, April 19th. The game was originally intended to start at 9:00 a. m., but due to several surprising incidents it was delayed until 10:00 a. m. Howard Jones, our timid and retiring little shopmate, fairly changed to a modern "Tarzan of the Apes," when he reached the wilds of the "Hollow." The moment the air of the wilds smote his nostrils he suddenly turned hunter and immediately captured a large "Blue Racer," which he succeeded in subduing by twirling it around his head several times and then pulling off its head. Added to this attraction he climbed trees and tamed the wild sheep with which the valley is infested.

Hatfield then suggested that we keep moving and after coaching us in mountain climbing and hiking us about seven miles, we finally reached "Hattie's" ball diamond, which consisted of numerous stumps, briar bushes and millions of cow tracks. Regardless of the diamond and the wildness of the country, Martin, the star rightfielder of the "Prohibitioners," leaped about three feet in the air on "Fuzz" Rose's first delivery and succeeded in coming in violent contact with it. He made three bases on it until Umpire "Bill" Long's mighty roar of "Foul ball" stopped him at third.

Most of us realize now what a huge mistake Bill is making by staying with us as boss of the helpers when he could be holding down a job as umpire for the Giants or some other good team. Bill says he isn't fond of traveling though. After five innings of strenuous playing in which the dazzling pitching of C. Rose and the spectacular one-handed catch of Kessler were the leading features, "Spike's" team went down to an inglorious defeat at the hands of the "Prohibitioners," the score being 15 to 7.

Having finished the game we retired to the banks of the beautiful stream which runs through the "Hollow," where refreshments were served. Not being satisfied with Sunday's results the "Spitfires" have challenged the "Prohibitioners" to another game to be played at Foster Park, Sunday morning, May 10th, where they claim they will have revenge. The lineups will be as follows: Prohibitioners—C. Rose, pitcher; Romary, catcher; Nycum, first base; Smith, second base; Hatfield, third base; Jackson, shortstop; Martin, right field; Schoenherr, center field; Jones, left field. Spitfires—R. Rose, pitcher; Bubbs, catcher; Clark, first base; Smith, E., second base; Price, third base; Kessler, shortstop; Gibson, right field; Gilbert, center field; Johnson, left field.

We also wish to thank the editor for this space in his paper, this being our first appearance in the Works News.

\$20,000 in Prizes Offered For Best Review and Forecast

The Electric Light and Power Industry Is the Field to Be Considered Time Is Short But Prizes Worth Concentrated Effort

PRIZES aggregating \$10,000 have been offered by Bonbright & Company, Inc., for the best contemporary review and forecast of the electric light and power industry, to be written in the form of an article summarizing the progress of the decade 1920-1930, and dated as of January 1, 1930. It will thus be in effect a five years' review and a five years' forecast.

The article should comprehend the development of the industry in all its phases. It should treat not only of engineering accomplishments, but include also matters affecting public relations, finance, markets, transmission and distribution of electricity, its utilization and its effect on the industrial and social structure of the nation.

Bonbright & Company, Inc., is conducting this competition in the hope and belief that such constructive analysis will prove of real value to the industry.

The board of directors of The American Superpower Corporation, judges of the contest, has offered a further reward of \$10,000 to be awarded to the writer whose paper most nearly forecasts future developments.

This prize will be awarded as shortly after January 1, 1930, as is possible.

Regulations Covering the Competition

The competition is open to all except the board of judges.

All papers must be submitted to Bonbright & Company, Inc., 25 Nassau Street, New York, N. Y., and received on or before May 18, 1925.

Although no arbitrary rule as to length has been set, it is suggested that articles be confined within the limits of 5,000 to 10,000 words.

Every article is to be signed with a fictitious name and accompanied by a sealed envelope containing both the nom de plume and the contestant's real name and address.

No single competitor, either alone or in collaboration, may submit more than one article.

The article may be accompanied by such supplementary material, in the shape of charts, diagrams, etc., as may seem advisable to the contestant, although such additional material is in no sense obligatory.

If possible, the announcement of the \$10,000 1925 prizes will be made at the National Electric Light Association convention in San Francisco during the third week of June.

General Electric's Methods of Research Described (Continued from page 3)

patented and have come into extended use with little or no development, but these are the simpler and more obvious things which do not require involved scientific processes for their satisfactory operation. Upon many devices of this kind great fortunes have been founded by those who had a genius for merchandising but perhaps no fitness for research or developmental work. On the other hand many inventions, to make them workable at the start and for subsequent improvements, require a considerable amount of research and continued experiment and technical knowledge of a high order, and this we class under the broad term of "development." It is evident that such work in its highest sense can be undertaken only by those organizations that are adequately equipped with facilities, personnel and financial resources.

Examples are the DuPont interests which, since the war, have given to the world many useful products of their chemical research laboratories, such as Duco, a new and superior finish for automobiles; Pyralin, a beautiful substitute for celluloid used in toilet articles; many fabrics used in the industries, etc. The General Motors Company with its research laboratories at Dayton and a staff of engineers headed by

the well known C. F. Kettering; the American Telephone and Telegraph Company and the Western Electric Company, who are constantly making valuable contributions to the art of telephony; the Standard Oil Company, who have developed and improved an endless number of products derived from petroleum; the tire manufacturers, the producers of food, soap, chemical products, medicines and a host of others.

The General Electric Company has always held a prominent position in the development of equipment and devices of all kinds for the production and use of electricity and since I am more familiar with its methods than with those of other organizations, I propose to tell you something of the way in which this work of research, invention and development is carried on.

In its broad sense the term "development" may be defined as the processes by which new and useful devices are conceived and wrought into shape for commercial exploitation and existing devices are improved and perfected in order to broaden their sphere of usefulness. This art of development naturally resolves itself into two general classes:

First—Pure research work, by which is meant investigations into the broad or basic scientific secrets of physics, chemistry, metallurgy, etc., and the determination of the laws governing these processes, and,

Second—The application of the facts and laws so discovered to practical uses; in other words, the invention and production of concrete useful devices which operate by virtue of and in accord with these laws.

Under the first classification the General Electric Company maintains several research laboratories, the largest at Schenectady, housed in a modern building of five stories and basement, fully equipped for a great variety of scientific investigation and manned by a corps of technical experts of broad training and wide experience. This organization is under the immediate direction of Dr. W. R. Whitney and assistant directors, Dr. W. D. Coolidge and Dr. Irving Langmuir. In the research laboratory are scientific men of national and international reputation, each assigned to a more or less special branch of research. Better known examples of the work of this laboratory are first, the high efficiency Mazda C or gas filled lamp. This lamp was made possible by a masterly piece of work on the part of Dr. Coolidge, in which tungsten, the most refractory and stubborn metal known to scientists, a metal which resisted practically all efforts toward fabrication, was completely changed in its fundamental physical structure so that it is now possible to draw wires of smaller diameter and greater toughness than of any other metal. The introduction of nitrogen into the lamp bulb and the investigations of the proper form of filament, resulting in the helical construction, permitted the production of a lamp comparing with daylight in its color value and requiring only $\frac{1}{2}$ watt per spherical C. P. as compared with approximately 4 watts in the older carbon lamps. This remarkable gift to civilization, as was anticipated, did not reduce the amount of energy consumed for lighting purposes, but permitted man to approach still closer to the "turning of night into day." In the research laboratory the extremes of lamp size have been constructed, first, a lamp small enough to be swallowed into the stomach, and second, a lamp of 30,000 watts capacity giving approximately 100,000 C. P.

The Coolidge X-ray tube, which has replaced all other forms, is the result of years of investigation in this laboratory and has not only permitted the viewing and the taking of photographs through opaque materials, but has also taken its place in the curing of disease.

Other well known investigations are those relating to the vacuum tube, now known as the Radiotron, having a multitude of forms. Radio research and more lately a very remarkable series of purely scientific investigations into the form and structure of the atom has been undertaken simultaneously by many laboratories throughout the world, and may possibly result in very broad fundamental changes in the generation, modification and use of energy.

A second, the Thomson Laboratory, located at Lynn, Mass., is named for and is under the direction of Prof. Elihu Thomson, one of the pioneers in electrical development and one of the founders of the Thomson-Houston Co., which in 1892 was

consolidated with the Edison General Co. of Schenectady to form the General Electric Company.

One of the best known achievements of the Thomson Research Laboratory is the production of fused quartz, after about twenty years of patient and painstaking effort on the part of Professor Thomson and his assistant director, E. R. Berry. This material is so transparent to light of all wave lengths that it is possible to make light turn corners and be transmitted in any direction when following a quartz rod, just as water is poured through a tube. Dr. S. A. Moss, of this laboratory, during the war perfected and completed the development of the super-charger for aeroplanes, which has raised the "ceiling" of the earth by miles. Mr. A. L. Ellis, the second assistant director, together with Professor Thomson, has had much to do with the development of precision meters and instruments, those devices which permit the central stations of the country to have accurate "scales" with which to weigh the electricity they sell.

These laboratories, under the able guidance of their directors, undertake on the one hand the investigation of purely abstract scientific problems, which may or may not have a practical application, and on the other hand address themselves to definite tasks submitted to them by designing engineers who have encountered some problem upon which they require assistance.

The second or more concrete class of development is in the hands of the staffs of designing engineers at the several factories charged with the task of originating and perfecting designs of various lines of apparatus and devices which the company manufactures and sells. The training and experience of these various designing groups are of a highly specialized character, the result of years of application to a given line of work. For example, we do not expect a designer of induction motors to have any knowledge of value regarding direct current motors, nor transformers, nor meters, nor steam turbines, nor railway equipments and we would not intrust designs of any of these lines to engineers of another group.

A designing engineer must have a wide knowledge of the past history and present state of the art in his particular line, must be familiar with the design and operating characteristics of similar devices made by our competitors and, through our salesmen and specialists in the field, must keep in touch with the customers' requirements so that he may modify and improve his designs from time to time to retain our competitive position. These designing departments are recruited by a process of careful selection from our student engineers, graduates of technical institutions, who come to us for an intensive practical training in the test and operation of our products. Most of the men filling technical positions of importance in the organization came up from the student course test.

In 1924 there was expended for the support of the research laboratories approximately \$1,700,000 and for development work in the designing engineering

departments a trifle over \$15,000,000. Manifestly to insure that such vast sums are wisely and effectively expended there must be some very definite method of control. This control is secured first by budgets set up at the beginning of each year, and second, by authorizations throughout the year, duly approved by those in control, for specific *expenditures for definite undertakings*.

At the first of each year a budget is developed covering the expense of the research laboratories. Having this budget and the resulting general appropriation, specific accounts are set up, each one covering a certain line of investigation against which accounts are charged the time of the research engineers and incidental expenses for supplies and equipment. This enables us at any time to determine what a certain line of investigation has cost. If such investigation results in the possible production of a new type of apparatus, such as radio, incandescent lamps, etc., the charges accumulated for this particular line of research are transferred as a debit against the engineering department undertaking the task of translating and converting these scientific facts and laws into concrete and salable articles.

The cost of research work which does not result directly in definite applications is absorbed in the general expense of the company and is a charge against profits.

When an engineering department undertakes, at the suggestion of the sales department, the initial development of a new design or the improvement of an existing one, a so-called special manufacturing order is originated by the engineer in charge, approved by the manager of the sales department directly interested, by the factory manager and finally by the manufacturing committee at Schenectady. This document explains the nature and purpose of the undertaking and contains a detailed estimate of the expense of the engineer's and draftsmen's time and any shop work and special tools necessary for the production of the first model and its tests. All expense is accumulated against this particular order so that when the first model is completed, tested, modified, retested and pronounced satisfactory by both engineering and sales departments, the cost of this development work can be determined.

If it is decided to put the device into production a second order is issued with an estimate of the cost of patterns, punches and dies, jigs and fixtures necessary to quantity production.

Thereafter, when the device is in production, there will be the occasional necessity for engineers' time in an effort to effect improvements and overcome difficulties which even with the exercise of every care on the part of the engineers may develop in actual service, the replacement of patterns and punches and dies which wear out in production, and the correction and adjustment of complaints resulting from troubles encountered by the customer in the use of the apparatus. The cost of all these items is charged into an account termed "applied apparatus expense" or "running development."

We have finally collected into a single account for each individual type of apparatus the expense of four distinct branches of development.

(a) The original research work (if any) in the laboratory which established the basic facts or laws upon which the invention or design was undertaken.

(b) The experiments, models and tests of the designing engineers which determined the practicability of the device.

(c) The preparation of patterns, punches and dies, jigs and fixtures necessary to quantity production.

(d) The running or subsequent development incident to keeping the device in production and up to date.

All these expenditures represent a charge against the device just as certainly as though we had bought for this same total sum the patents and right to manufacture the device from an inventor outside our organization. It is just as definite a charge against the ultimate cost of the finished article as are the more easily understood items of direct labor, material and factory overhead and like them must be absorbed or liquidated in the factory cost.

If, in determining our factory costs, we disregarded this item of development, and included only labor, material and factory overhead (which latter does not in our system of accounting include development) we would find at the end of each year a considerable sum in the development accounts for the absorption or liquidation of which no provision had been made and which would have to be taken as a debit into profit and loss account.

In order, therefore, that our factory costs may include all items properly chargeable thereto and may reflect the true and whole cost, we add in each case to the total of labor, material and overhead a percentage intended to cover this so-called "applied apparatus" or "development" expense. These percentages vary with the different classes of apparatus and are determined primarily by the amounts accumulated in the initial and subsequent developments. It is intended that the percentage added to costs shall, over a term of years, gradually reduce and finally entirely absorb the initial development, after which the percentage charged against costs is reduced to a point necessary to absorb the running development only.

In many instances where the initial development is exceptionally high, due to unforeseen difficulties and where the sale of the apparatus is limited, we frequently forego profits for a term of years, applying these profits as well as the regular development percentage included in cost to the liquidation of this excessive initial development.

For example, we spent something over \$300,000 in the development of an electric rock drill and found after we got it on the market that its sphere of usefulness was more restricted than we had anticipated. For a number of years we applied to the liquidation of this large development account not only a development percentage as high as the traffic would bear as controlled by a market in which we competed

with the well established air drill, but all of the profits as well until the initial development had been absorbed.

In some lines our judgment and prognostications as to prospective sales are sadly over-optimistic and in others a change in the state of the art or the more fortunate developments of our competitors make our undertakings valueless, in which case we are confronted with heavy development accounts which must be charged off to profit and loss. Instances of this kind are the ozonator, a device brought out some years ago for the purification of air by ozone produced electrically; the Genemotor, a combination lighting generator and starter intended to be added to a Ford car not already so equipped. This proved one of the worst flivvers of our career; the Entz transmission used in the Owen Magnetic Car, which, although it performed satisfactorily, was too expensive to compete with the conventional clutch and gear set.

We have on our hands at the present time a number of undertakings which are decidedly "sick," not through any defects in design nor failure to give satisfactory service in the hands of the customer, but simply because their anticipated sales have not materialized to a point necessary to justify their creation or to absorb their initial development. They are like a defective child in that they should never have been born.

However, so long as our guesses in this respect are materially greater than 50 per cent correct, we can continue to go along.

It is natural to consider that the other fellow's job is an easy one compared to one's own, but it is a mistake to assume that the task of an inventor or designing engineer in the employ of a highly organized company is without its trials. He frequently has at his command facilities and resources not available to the independent worker, but he also has frequently

the strongest kind of competition to meet and a system of accounting and control to work under that places a very accurate measure upon the results of his work.

And, again, most of the devices that contribute so largely to the comfort of our modern life didn't just happen; they were conceived and brought to their present state of perfection by a long, expensive and painstaking process of development.

More and more the ablest inventors are now associated either directly or in a consulting capacity with large industries and the picture of the poor inventor starving in his garret room is rapidly passing into the fiction and romance of the past.

Apparatus Test Has Unusual Safety Record Five Years Without a Losing Time Accident

MARCH 4, 1925, marked the fifth year that the Apparatus Test Group has gone without a losing time accident, which is quite remarkable when one considers that they handle and test the heaviest motors and generators manufactured at these Works with voltages as high as 6600.

It is gratifying as well as interesting to note the record of each individual man with respect to the number of years he has gone without a losing time accident, which is as follows: Ray Hoffman, eighteen years; R. Harruff, sixteen years; A. Braun, R. Chase and E. Schroeder, seven years; R. Mennewisch and C. Barricks, who have been employed four years and three years respectively, have not had a losing time accident. It may be said that they are a group of conscientious and careful workers, holding before them at all times the motto: Safety First, Last and Always.



APPARATUS TESTERS, BUILDING 17-1

Reading from left to right: R. J. Hoffman, Supervisor of Tests; Russel Mennewisch, Tester; Russel Harruff, Head Tester; Arthur Braun, Leading Tester; Anna Roth, Clerk; Russel Case, Tester; Clayton Barricks, Tester; Edward Schroeder, Tester; Homer Mitchell, Helper; Leo Branovan, Student Tester; Arthur King, Apprentice; James Everett, Student; Clarence Lydick, Student Tester.



**APPARATUS SECTION ASSEMBLED TO RECEIVE
KEEPING FIT TROPHY FOR 1924**
Insert shows Bronze Trophy

Apparatus Section Is Presented With Keeping Fit Trophy

Has Only Six Accidents in 1924

A VERY fitting presentation ceremony was carried out on the assembly floor of Building 17-1 Wednesday, April 1, the event being the presenting of the trophy won by the Apparatus Department in the Keeping Fit Contest last year.

Mr. Barnes, acting as chairman, gave a short talk concerning the Apparatus Department and its growth from infancy, thirty-five years ago, to the present organization it is today. He emphasized the fact that in order to flourish and meet competition in the electrical business we must be as one big family, working coherently and safely at all times to further our own and the Company's interests.

Mr. Barnes then called on Mr. Goll for a few remarks, to which he very willingly responded.

Mr. Goll in his talk commended the Apparatus Department on their splendid showing made in the past year in the great work of accident prevention, stating that the Company would go the limit in providing safeguards for the employees, but the greater part of accident prevention work is up to each individual employee as he goes about his daily task.

He then gave a resume of the lost time accidents in the several winning departments, which were as follows:

Ice Machine	3
D.C. and A.C. Apparatus.....	2
Switchboard	1
	<hr/> 6

Mr. Barnes then called Mr. Palmer, general foreman of the Apparatus Department, to the speakers' platform and presented the trophy.

The presentation was a fitting climax to

a very successful year on the part of the Apparatus Department in accident prevention work. They are going strong again this year, having had only one lost time accident, and are leading in this year's Keeping Fit Contest for the first three and one-half months ending April 15.

The trophy, a real work of art, being made of lacquered bronze, was designed and constructed entirely at these Works and is a thing to be proud of. A picture of it appears in the insert of the above presentation group, or it may be viewed by any who so desire on the assembly floor of Building 17-1.

Safety News

G. B. White, employed in chipping and grinding steel castings in the Apparatus Department, Building 17-2, is completely sold on the use of goggles. While engaged in chipping a casting the other day, a piece of metal struck one of his goggle lenses, breaking it completely out, but his eye was unscathed. This is only one of the many cases where goggles have saved the sight of an eye.

So far this year we have had three losing time eye accidents, but these could have been prevented if the operator suffering the injury had exercised a little care by wearing a pair of goggles that are available at any tool coop. The Industrial Service Department is always at your service to help you in selecting the proper type of goggle for your work.

Accident records compiled for the first three and one-half months of 1925 are as follows:

Lacerations and contusions	19
Sprains and strains	7
Fractures	7
Infections	4
Eyes	3

Amputations	2
Miscellaneous	2
Total	<hr/> 44

The above record shows that lacerations and contusions constitute nearly one-half of all accidents. A majority of the thirty-three accidents classified under fractures, sprains, strains, lacerations and contusions are traceable to objects or materials slipping out of the hands of the workman and falling on the feet or limbs.

It has been proven that if the workman exercises only ordinary care and caution for his own safety and that of others, these accidents may be largely prevented.

Taking the March accident record as an example, the following cases are found to exist:

Sprain of left ankle—Running down stairs at quitting time.

Infection of left hand.

Large particle of steel in right eye—Lathe operator.

Punctured wound of right foot—Cutting off a piece of steel, stepped across it, cutting foot.

Amputation of end of finger—Finger pinched between two angle irons.

Fracture of left great toe—Straightening piece of iron when it slipped and fell on toe.

Fracture of first and second toes—Plate of iron fell.

Deep lacerated wound—Piece of steel fell from rack.

Contusion of back—Tightening bolt; bolt broke.

Contusion of great toe—Piece of steel slipped from vise, falling on toe.

Hernia—Lifting trays.

Contusion of toe—Stepped over conveyor, knocking off stator on toe.

Judge for yourself whether these accidents "just happened" or were "caused."

The Apparatus and Induction Motor Departments were the only departments at this Works that had no lost time accidents during the month of March.

The West Lynn Works of the General Electric Company obtained the enviable record of having no lost time accidents during the month of February. Why can't we say that about this Works? A record like that for this Works would mean 4,100 persons working safely for thirty days. Let's all get behind and push for a no-accident month in May.

Short Safety Sermons

Glass eyes have been known to explode—both on the dealers' shelves and while being worn. Here's another argument for wearing goggles.

Safe in the Arms of the Law

Ultra Modern Girl (phoning home at 3:00 a. m.): "Don't worry about me, mother, I'm all right. I'm in jail."

The place for monkey business is in the circus ring or the zoo. No plant is safe with the joker running wild.

Clean aisles and clean floors help to make a plant safer. Are you doing your part?

G-E JUNIORS' PAGE

A GAIN we have had a very good response from the boys and girls of Fort Wayne and Decatur, not quite so many letters as last month but a goodly number I think when we think of all the nice spring days we have had beckoning us to come out of doors instead of staying inside working out puzzles. Those new kites and roller skates become quite a temptation, do they not? However, I hope we do not lose all interest entirely.

I also received a few pictures again this month for which I am very glad. Other pictures or short stories will also be greatly appreciated.

Prize winners for last month are as follows: Evelyn Isenberg, age 11 years, Bluffton Road, Fort Wayne, Indiana; Albert Devaux, age 7 years, R. R. 11, Fort Wayne, Indiana; Virginia Fuhrman, age 11 years, 3006 South Harrison Boulevard, Fort Wayne, Indiana; Marcella Rehm, age 13 years, 1447 Taylor Street, Fort Wayne, Indiana; Edward Doell, age 10 years, 1312 Summit Street, Fort Wayne, Indiana; Hazel Hilton, age 11 years, R. R. 6, Decatur, Indiana.

Other letters were received from: Esther Miller, 3936 Tacoma Avenue; Roger Dreibelbiss, 507 Walnut Street; Violet Latham, 2829 Alexander Avenue; Cortney Vail, 1016 College Street; Harry Witham, 726



GERALDINE REIBER



ESTHER MILLER AND HER FRIEND
IRENE HOLMES

High Street; Helen Liddy, 349 Baker Street; Geraldine Reiber, 918 State Boulevard; Geneva Scheare, 306 East Boerger Avenue; Ruth Marie Turner, 1214 Van Buren Street; Helen Death, 618 North Collett, Lima, Ohio; David Myers, R. R. 7, Decatur, Indiana; Paul Hendricks, 404 West Marshall Street, Decatur, Indiana.

You will notice that only one prize is being sent to Decatur this month. Four letters were received but unfortunately there was only one correct answer. There were eleven rabbits in the picture.

I wonder how well you know some of our common birds. If the letters of the

following words are arranged properly they will spell the names of ten of them. Let us see how many of these you can work out.

- | | |
|-------------|--------------|
| 1. noirb | 6. wsawll |
| 2. rwopras | 7. dkabribcl |
| 3. kksrally | 8. edekicach |
| 4. erwn | 9. lbnikbo |
| 5. relloo | 10. lqia |

Answers to Last Month's Cross Word Puzzle

Across

- What is given for the correct answer to a puzzle (prize).
- To go fast (run).
- A pronoun (it).
- A preposition (in).
- A preposition (on).
- Opposite of yes (no).
- What a chrysanthemum is sometimes called (mum).
- Part of a plant that grows under the ground (root).
- Opposite of stop (go).
- Abbreviation of England (Eng.).

Down

- Abbreviation of price (pr.).
- What you put on your hair—bay (rum).
- A small hotel (inn).
- What we do at dinner time (eat).
- Possessive pronoun (his).
- A grain that horses eat (oats).
- Frozen water (ice).
- A preposition (in).
- To coax (urge).
- What shines at night larger than the stars (moon).

Mister Hop-Toad

Howdy, Mister Hop-Toad! Glad to see you out!

Bin a month o' Sund'ys sence I seen you hereabout.

Kind o' bin a-layin' in, from the frost and snow?

Good to see you out ag'in, it's bin so long ago!—James Whitcomb Riley.

Work will cure both mental and physical afflictions.



THE FIRST LETTERS OF THE NAMES OF THESE OBJECTS, WHEN PROPERLY ARRANGED, WILL SPELL THE NAME OF A DAY WHICH WILL BE CELEBRATED 5000

THE PRIZE PUZZLE FOR MAY

Girls Department



Big Y. W. C. A. Circus! Of Interest to Everybody

All you G-E girls ought to be interested in the Y. W. C. A. Circus which is being put on by the Blue Triangle Athletic Association and the gymnasium classes, Friday and Saturday, May 1st and 2nd. It will be held in the Y. W. C. A. gym, beginning at 8:15 p. m., and we are promising you a mighty enjoyable time. It will be a unique affair for this town and there are many interesting numbers on the program. We feel confident that the older people, including the men, will enjoy it as well as the younger, and especially the "kids."

First on the program is the big parade—it will be every bit as interesting and full of surprises as any of the ordinary circuses which come to Fort Wayne every year. To go into details would be to spoil the surprise, but of course you may expect to see lots of animals, clowns, etc.

Below is given the formal program:

- I. Parade
- II. Animal Stunt
- III. Maypole Dance
- IV. Country Dance
- V. Artistic Gymnastics
- VI. Dances of Spring
- VII. Lighted Torches
- VIII. March of the Wooden Soldiers.
- Intermission
- IX. Clown
- X. Parallel Bar Work
- XI. Marching Tactics
- XII. Balloon Drill
- Grand Finale—Flag

We wish to assure you that this will be no "amateur" performance. The titles given the various numbers only give you a hint of what they will include. You simply cannot guess how attractive the acts are. For instance: No. II., "Animal Stunt"—sounds like we are going to have a couple of animals, perhaps dogs, who are going to do a few tricks. But we really wouldn't have the heart to disappoint you like that. No, this will be a real animal act, the same as the usual circus. The animals have all been trained by the most marvelous animal trainer of the age, our own Miss Scott, well-known Y. W. C. A. Industrial Secretary, (training animals is her sideline), and they are highly skilled in their performance.

And then No. IX., "Clowns"—what does that mean to you? Not much, does it?—it may include much or it may include little. But as a matter of fact, there are several splendid clown acts included in this number that will make you feel like applauding long and loudly.

We do not intend, of course, to elaborate on this program and tell you all that is contained in it, but we can truthfully say that you will find it worth every bit of the fifty cents which is charged for admission.

All kinds of refreshments will be sold on the grounds. It is needless to enumerate them for you know what to expect. It is enough to say "all kinds."

It is not too late to get tickets, as seats are not being reserved. Get your tickets at the door. Don't forget to give the kiddies a treat—take them to the Y. W. C. A. circus tonight or tomorrow night, and see something that will give you many a chuckle for long afterwards.

There are a number of our G-E girls taking prominent parts in this production. Come and see them in action.

Personal Notes

Miss Mildred Kilfoy has been transferred from the stenographers' training school to the Drafting Department in Building 18-5.

Miss Ruth Close, who underwent an operation for appendicitis at the Lutheran Hospital several weeks ago, returned to her duties in the Blueprint Department on Monday morning, April 20th.

Miss Iona Holzworth, of the Production Department, has left the employ of the Company, to take up work with the State Automobile Insurance Company.

Miss Clara Krudop, of the Meter Department, Building 19-5, returned to work April 13th, after a three months' European tour, stopping at Gibraltar, Algiers, Madeira Islands, Naples, Rome, Florence, Venice, Italy, also at the ruins of Pompeii and Mt. Vesuvius. From there she went to Lucerne, Switzerland, and a trip in the Swiss Alps, then over to Colu and Berlin, Germany, then across to Paris, France, and over to Rotterdam, Holland, from where she sailed for the United States.

Miss Mildred Schroeder, of the Industrial Service Department, left the employ of the Company Saturday, April 18th, to take up work with the Perfection Biscuit Company.



Stenographers' and Typists' Column Is Proposed

IT is proposed to establish a column in the Works News that will be of interest to the stenographers and typists in this Works. If you have an idea, suggestion or article that will be of benefit to us, we shall be glad to have you send it in for publication.

We should like to make this column interesting and helpful, and only by your co-operation may we be able to do so.

We all want to bring ourselves up to the top-notch of efficiency, to know the best and shortest method of doing our work. You may have an idea or suggestion that will help us. If you have, send it in, and you may receive one in exchange. So much by way of explanation. And now as illustration of a way in which this column may be used we will start it with the following notes on "Good Usage":

The words can and may are often misused. Can means ability. May means permission. "Can we send a collector today?" is wrong because what we really wish is permission. The correct use of these words are, "May we send a collector today?" and "We can send a collector today."

"Attached hereto," "hereto" is unnecessary. "Hereto" in this phrase means "with this letter," an idea already contained in the word attached.

"Same" should never be used as a pronoun. In most cases the impersonal pronoun "it" can be substituted for the word "same," and in every instance some pronoun can be found to use in its stead.

These sentences are wrong: "I will be sorry to see you go." "I would be pleased to show you our new goods." They should read: "I shall be sorry to see you go," because I do not decide, or make up my mind to be sorry. It is your going that will bring me sorrow. The second sentence should read: "I should be pleased to show you our new goods," because I do not make up my mind or exercise my will to be pleased. It will be the opportunity to show you the new goods that will give me pleasure.

Mr. Blank stated that he thought it possible that you would, etc. The word "that" should be omitted.

Elex Club Girls to Go to Camp Yarnelle

When the Elex Club goes to Camp Yarnelle the girls are surely going to enjoy getting away from their work and the familiar, noisy city and out into the country where everything is fresh and pure and wholesome, quiet and inviting. The first week of June is a lovely time of year, and Elex has had June 6th and 7th set aside for the convenience of its members who may want to go to camp with a crowd of girls whom they know, when they can take their friends with them.

If you have never been to camp, this one trip will start you asking, "When can I go again?" Another thing, please, don't

hesitate because you are, perhaps, a new member of our organization and are not acquainted with very many girls. You will find it very easy to mix in with the crowd and this will be a fine way to meet a lot of the nicest kind of girls. If you have any doubts about the matter, you will probably get the surprise of your lives when you find how easy it is to get into the spirit of things up at camp. Try it.

In case you can't go when Elex Club goes, perhaps you would like to accompany the rest of the Federation girls to camp on May 23rd. There will undoubtedly be some of our Elex girls among this group, and all the girls in the Federation are one big family anyway.

Elex had an election not very long ago—this time of delegates to the conference of industrial girls, representing various industrial clubs in the Central Region. The conference this year is to be held at Camp Gray, Saugatuck, Michigan, from June 14th to 29th.

Realizing that the delegates to this conference should be girls interested in club work, full of pep and enthusiasm, ready to enter into whatever they do with the proper spirit, the members of Elex Club chose Bessie Smith and Susie Wagner to represent them at the meeting this year, although we know there are a number of other girls who could fill the qualifications just as well. These girls will endeavor to bring back some ideas that will help make our club a still more enjoyable organization, and we hope that they thoroughly enjoy the experiences they will have.

B. T. A. A. Banquet

Another item of special interest to B. T. A. A. members is the B. T. A. A. Annual Banquet and Election of Officers to be held at the Y. W. C. A. Monday evening, May 18th. At this time armbands and letters will be awarded to those girls who have won enough points. There will be no sweaters awarded this year, however, for no one has as yet won the 1,000 points necessary—that will come next year.

Present and future plans will be brought up and past accomplishments recounted for the benefit of those members who have not kept in touch with all our B. T. A. A. activities. Pins will be on sale at \$1.85 each. Don't miss this opportunity to see them. And, of course, an important event of the evening is the election of officers. We need your vote.

If you are really interested in our association, you certainly won't miss the banquet. If you are not yet a member but want to join so you can take advantage of the summer sports (such as baseball, tennis, swimming, hiking, roller skating), this is the time to do it, because then you will get a full year's membership out of your dollar. If you join later on, any time between the banquet and November 1st, your membership will still date from May 1st. So sign up at the banquet.

We invite any girls who are not members but who are interested in B. T. A. A. and its many activities, to come to the banquet and learn about the organization. You will be surprised at how much actual enjoyment you can get from a dollar. Three picture shows could not begin to compare with a membership in our association. Ask any one of our *active* members.

Get a ticket from Miss Chandler not later than Friday, May 15th, and don't forget the date—May 18th.

Girls of Pay Roll Department Give Farewell Party

The members of the Pay Roll Department gave a kid party Wednesday evening in Building 16-2, in honor of their co-worker, Miss Susanna Hammon, who left the employ of the Company Saturday, April 11th. She will make her future home in Cleveland. Prizes during the evening were awarded to the Misses Josephine Wehrle, Anna Walburn, Lerta Boxell and Erma Somers. Red letters and buncos were part of the evening's entertainment. At a late hour a dainty collation was served. Those enjoying the delightful affair were: The Misses Erma Somers, Dorothy Thompson, Clara Stevens, Dorothy Bolt, Margaret Wehrle, Anna Walburn, Dorothy Osborn, Lillian Stucky, Naomi Graver, Leone Quinn, Jaunita Bender, Dorothy Bixler, Thelma Sparks, Annalisa Hoglund and the Mesdames Carl Overly and Raymond Kuhn and the honor guest. Miss Hammon was presented with a beautiful gift.

Federation May Day Festival

The girls of the Industrial Federation are expending their united efforts toward making the Federation May Day Festival a big success. It will be held in Lakeside Park (or if it rains, at the Y. W. C. A.), on May 16th.

"May Festival" sounds pleasant, doesn't it?—like Maypoles, May queens, games, balloons, bright-colored frocks? And you are not far wrong, not wrong at all in fact. For there will be all these things, and more. A big feature of the afternoon will be the chautauqua. If you want any details of that you will have to ask Irene Fox, for she is chairman of the Chautauqua Committee. It might be that Irene Meyers, who is also on the committee, could tell you something about it.

Refreshments are, of course, an important part of an affair like this. Mildred Bueker, who is serving on the Refreshment Committee, will see that plenty of ham sandwiches, peanuts, pop, ice cream, etc., is supplied. There will also be a favor booth, where balloons, squawkers, and also favors of a more useful nature may be purchased.

A great deal of interest is being centered on the Popular Girl Contest. Each club is entering a contestant, and names will be accepted up until April 30. The contest begins May 1st and ends May 16th.

The girl who succeeds in collecting the most votes, at one cent each, will receive a beautiful diamond ring (this ring is on display at Littlefield's Jewelry Store on Berry Street). The second prize is a string of pearls. Lillian Steup is a member of the Popular Girl Contest Committee.

Flora Boerger, on the Publicity Committee, is helping to see that the affair is given plenty of publicity. She would like to have your assistance, please. Spread the news around. Come yourself and bring your friends.

Decatur Works Section

E. W. Lankenau, Superintendent of the Decatur Plant, was a daily visitor at the Fort Wayne Plant during the week beginning April 6th, as he was the speaker for the week at the Foremen's Conference. He addressed the various groups of foremen on the subject, "Training the Employee."

Firemen Initiate New Members

On March 31st the firemen of the Decatur Plant staged a special initiation for the four new members, Francis Eady, Solomon Lord, Cal Wait and Alva Buffenbarger. Before the strenuous part of the program all members of the force enjoyed a delicious steak supper prepared by the Girod sisters. Mr. Lankenau acted as toastmaster for the occasion. The real program however, was the initiation ceremonies that came later and of course the new members were the principal actors in this event.

Weddings

Miss Margaret Kidwell, tool crib attendant, was married on April 11th, to Chauncey Sheets of near Decatur. Margaret will continue to work until the early fall, when the young couple expect to go to housekeeping. Margaret's many friends at the plant extended their heartiest congratulations when she returned to her work.

Cleotus Miller, of the Assembly Department, also was married on April 11th. His bride is Miss Nina Stevens, of Geneva, Indiana. Heartiest best wishes and of course a bit of jollying were in store for Mr. Miller when he again put in appearance at the plant.

British women have organized to promote the use of electrical appliances in the homes of Great Britain. It is said that the reports of labor saved in American homes through electricity have been responsible for the movement.



MEMBERS OF G-E SQUARES

Top Row—J. J. Shelly, E. L. Misegades, C. V. Poling, G. A. Griffin, J. W. Everett, S. D. Shaffmaster, D. E. Kessler, H. G. Hoglund, W. J. Morrill.
 Second Row—P. A. Vance, G. H. Stinson, E. M. Chellew, Karl Lagerlof, W. E. Winterhalter, R. L. Whitaker, K. H. Huyette, C. E. Walters, Leo Branovan, C. J. Lydick, E. J. Thomas, L. O. Adams.
 Bottom Row—H. R. Cass, H. C. Rath, J. C. Porter, C. E. Bauman, J. H. Stark, R. E. Coates, E. C. Thompson, C. H. Ridgley, C. W. Baldwin, E. W. Doerr.

E. J. Thomas Elected President of G-E Squares

E. J. Thomas, University of Wisconsin, '24, was elected president of the G-E Squares at the regular semi-annual election of officers held Tuesday evening, April 7, in Building 16-2. E. L. Misegades, Kansas State, '24, was chosen vice-president, and R. E. Coates, University of Wisconsin, '24, secretary-treasurer.

The meeting was opened by President Hoglund, who called on the chairmen of the various committees for reports of the activities during the past semester.

Mr. Whitaker, chairman of the social committee, gave a very splendid resume of the work of his committee and thanked the members of the club for the hearty support tendered him in putting across the various social events of the past season.

Mr. Bauman, as retiring athletic director, gave a comprehensive report of the athletic activities of the club, pointing out the fact that basket ball was more earnestly supported than ever before in the history of the organization.

Mr. Rath, retiring secretary-treasurer, and who is to be commended for his untiring efforts in keeping the organization on a sound financial basis, reported the organization in very good circumstances financially.

Other talks were given by Messrs. Wilkins and Bauman, who were leaving the Company to take up public utility work with the Consumers Power Company of Michigan, expressing their pleasure in having the opportunity to be associated with this organization.

The retiring president, H. G. Hoglund, then gave a short talk, thanking the mem-

bers very kindly for the hearty co-operation given him during his two terms as president, assuring the "gang" that he would be with them just as strongly during the coming year as he had been in the past.

He then introduced Mr. Thomas, the new president, who gave a short speech of appreciation for the honor conferred upon him, pledging his whole-hearted support for the coming six months. The meeting was adjourned to the dining room, where the social committee had plenty of refreshments and smokes to occupy the remaining time.

News Items

We are sorry to report at this time that we have lost some of our faithful members, but here's hoping that they will always hold a warm spot in their hearts for the General Electric Company and the G-E Squares.

R. A. Wilkins and C. V. Poling, who were employed on the student course, and C. E. Bauman, employed in the Transformer Engineering Offices, have accepted positions with the Consumers Power Company in their transmission design and substation layout engineering office at Jackson, Michigan.

J. H. Everett, another employee on the student course, has gone home to Lafayette and will be employed in the experimental and research laboratory of the Duncan Meter Company, located at that place.

Joe Shelly spent a few days the first part of April visiting relatives in Chicago.

George Griffin and Curtis Baldwin have been temporarily transferred to Apparatus Drafting, Building 18-5.

Frank Lisman reports a pleasant and enjoyable six weeks at the Decatur Works. He also says that some of the girls in that

town have access to some pretty classy automobiles and they aren't afraid to burn a little gas.

Lyndon "Red" Adams, after a very thorough survey of the Transformer Department, extending over a month's time, has settled into a swivel chair located in the Transformer Engineering Office, Building 19-2.

By the time this appears in print "Bob" Whitaker will be in possession of a new Ford coupe.

Doerr was sporting a "darkened left optical" the second week in April. He informs us that baseballs, when not properly controlled, are bad actors.

Jess Porter and wife spent Easter at the home of her parents in Colfax, Indiana.

Harmon Woerner is convalescing at his home in Terre Haute from a recent attack of scarlet fever.

"Syd" Shaffmaster spent April 18 and 19 visiting the home folks in Colon, Michigan.

Choral Club's First Concert Proves Musical Treat

THE first appearance of the GE Choral Club before a Works audience was in the sacred concert given during the noon hour on Good Friday, April 10, to an audience which filled the recreation hall in Building 16. The program featured two choral selections from the St. Cecilia Mass by Gounod. The choral offerings were effectively handled by a chorus of twenty-eight voices. The solo parts on the program were ably taken by B. C. English, tenor, of Building 26-5; Howard Miller, baritone, of Building 18-1; Owen Vaught, tenor, of Building 18-5, supplemented by Miss Esther Jacquay, a well known soprano of the city, who so very kindly practiced with and assisted our choral club in this recital.

Special mention is also due Paul Dannacker, the violinist, of Building 18-2, and the piano accompanist, Mrs. I. H. Freeman. The director and organizer of the chorus, I. H. Freeman, is to be congratulated on the success of his efforts. With only a few weeks of practice the choral club certainly made an enviable showing.

We are glad to inform our readers that the opportunity is always open to those who may wish to join in this choral work. Also there is opportunity to join in the work of the Male Glee Club, which has been more recently organized. The choral club practices during the noon hour on Mondays and the Male Glee Club practices at 5:15 p. m. on the same day of the week.

The program which we reproduce in detail below, given in this first concert, will assure anyone familiar with the music that our choral club is undertaking some very worthy work.

Solo—"O Divine Redeemer" _____
 _____ Miss Esther Jacquay
 Chorus—"Sanctus" _____ Choral Club
 Violin Solo—"Meditation" Mr. Dannacker
 Solo—"There Is a Green Hill" _____
 _____ Mr. Vaught
 Chorus—"Glory is Excelsis" _____ Choral Club

Eliminate Waste By Collective Effort

Hoover, Swope and Green Discuss Opportunities to Accomplish This and the Minimizing of Industrial Controversy at "Industrial Round Table" of National Civic Federation

WASTE elimination and the minimizing of industrial controversy were discussed from the sides of employer, employee and the public at the first "industrial round table" of the National Civic Federation, held in New York on April 11th. Herbert Hoover, Secretary of Commerce, and Gerald Swope, president of the General Electric Company, in striking phrase, gave the viewpoints of the public and of the employer respectively, while William Green, president of the American Federation of Labor, made a comprehensive and dramatic pronouncement regarding the attitude of labor toward industrial controversy and waste elimination. The "round table," presided over by Judge Alton B. Parker, president of the federation, is the first to be held under authority of a resolution passed at the recent memorial meeting in honor of August Belmont and Samuel Gompers, two of the early and staunch supporters of the federation.

Problems of Mutual Interest

Mr. Hoover's text was that the greatest opportunity for increased wages and higher standards of living for the worker lay in eliminating industrial wastes. These wastes can be reduced only by collective effort. "They contain," he declared, "the paradox that if we save collectively, we shall have more goods and services to expend individually." Illustrating the possibilities, he commented on the fine showing of our railways in the last three years. They have handled a fourteen per cent increase in gross operating expenses. Rates have been decreased over five per cent, the hours of the workers have decreased and the wage has increased slightly. Service to the community has been immeasurably improved, and all this owing to great effort in management and the co-operation of the employees and of the community itself. He cited also the waste elimination efforts under way in the construction industry as typical of effective collective effort.

Mr. Hoover declared that there is hope that America is finding a solution of the problem of attaining social satisfaction with the preservation of private industry, of initiative and full development of the individual. This is being brought about by recognition of the identity of interest of employer and employed and the effort to organize that identity in order to limit the area of conflict. Elimination of waste is one of the subjects in which there is identity of interest.

He also spoke in part as follows: "Perhaps dimly, but with no less certainty there is looming up in the American industrial world a definitely new relationship in the whole setting of industry. The ownership of utilities and large manufacture has to a great degree been divorced from management. The capital ownership of great service and production is rapidly be-

ing diffused over millions of individuals, none able to dictate management. The managers of older and settled industry are today rising out of the skill of the industry itself, and they are gradually coming into a new vision of relationships. That relationship is one of a tripartite responsibility to the consumer on one hand, to the worker on another, and a regard for capital only to the extent that it shall be commanded on the best possible terms for the expansion and conduct of the industry. The savings we can make through application of invention, through increase in skill, through elimination of collective waste, are bound to be divided over the consumer to attract business, divided over labor to secure service and contentment, more than over capital, because capital becomes cheaper with increasing security."

Making the Employee Think

Mr. Swope maintained that waste elimination can be greatly furthered if the thought of the workers can be directed to the subject. He related that in an organization of 60,000 workers, 8,000 suggestions were received in 1923, and 10,000 in 1924. Of these 5,000 had been put in practice, and \$100,000 had been paid, over and above wages, to the workers who had made the suggestions. He stood, he declared, for lower selling prices of commodities and showed that lower prices are not incompatible with higher wages. Incandescent lamps, for example, are now cheaper than they were before the war, yet the earnings of the workers have increased one hundred per cent. The "labor content" of each lamp, however, has been decreased. This has been brought about by more efficient methods.

Commenting on selling prices, Mr. Swope added: "We have a great advantage in America in having a large population becoming constantly more homogeneous, speaking at all events one language, existing under the same political institutions, having common ideals and with a high standard of living. This makes it possible to market a standard product, bringing in its train the advantages of quantity production, in which field the manufacturing companies throughout the United States have taken the lead.

"The problem still before us is to reduce selling prices so as constantly to reach a larger and larger circle of buyers, and this means not only advancement in manufacturing processes but also reduction in cost so as to enable us to distribute our product at a lower selling price. Reductions in cost do not necessarily mean increased profits to the manufacturer; they may to a certain extent, but lower costs must sooner or later always be reflected in lower selling prices. Not only is this a fact as gained from experience, but it will be seen that this is very desirable from the standpoint of the manufacturer, as the

market is thereby enlarged, with the possibility of still further reducing the manufacturing and distributing costs."

Workers' Suggestions Valuable

Mr. Swope closed his remarks with a discussion of the larger value of workers' suggestions and of the relations between management and employee. "The effect upon the organization of these suggestions by workmen," he said, "is of even greater importance than the reduction in cost and the monetary rewards to the men, because of the stimulation to the men themselves and to the esprit de corps of the organization as a whole, owing to the recognition that the working man is a live, integral part of the business and may contribute to a greater extent than he has heretofore in its upbuilding. This gives the workman a greater interest in and keener sense of enjoyment from his work, as he feels that he has made a constructive contribution. The recognition that has come to him is not only appreciated but causes him to be respected by his associates.

"This also often leads to finding talent and ability for bigger jobs. This is one of the most difficult and elusive parts of the problem of management—finding the exceptional man. It is a very widespread problem but pressing in any large industrial organization. The problem of knowing and rating the men, and giving them opportunities to do bigger jobs, is essentially a job for management. But probably the most tragic waste of all in industry is unemployment, where men ready and willing and able to work are unable to secure it, and where society really needs their work. The most severe test of any social system is the consideration it gives to the human being, and our present system must find a solution of this great human problem.

"Industry also is much more cordial today than ever before toward the problem involved in minimizing industrial controversy. It is recognized that if you have the sympathy and understanding of the workmen the esprit de corps of an organization will be much better, work will go more smoothly, the material results accomplished will be greater, and the human satisfaction to all concerned will be vastly increased.

"As business is organized today most companies have a large number of shareholders to whom they report periodically as to the results of operations, and there is every reason why the workmen should be kept informed of the development of the business so that they also can see whither it is tending. This has been accomplished in many instances with marked success by having the representatives of the men meet with the management for the purpose of discussing various problems as they arise so that the men will have a general understanding as to the business of

KEEPING FIT CONTEST

Standing of Major Departments April 15, 1925

	Per Cent Accidents Allotted	Per Cent Accidents Occurring	Standing in Per Cent
(1) Apparatus	5.44	2.27	58.30
(2) Fractional H.P. Motor.....	19.40	11.37	41.40
(3) Meter Department	17.98	11.37	37.80
(4) Contributing Departments	19.64	15.90	19.03
(5) Induction Motor	4.57	4.54	0.66
(6) Transformer	12.02	15.90	—32.22
(7) Decatur	8.82	13.62	—54.40
(8) Building and Maintenance.....	12.10	25.00	—106.75

the company. One of the gratifying results has been the increased satisfaction on the part of the workmen and the largely decreased turnover of labor partly because of this. There is still much to be done, and the most hopeful aspect of the problem is that the management and men are approaching it in a more open-minded manner."

Attitude of Labor

Mr. Green declared at the outset that labor believes that production costs should be lowered through the promotion of efficiency in workmanship and management, the elimination of waste and the introduction of economy processes. Unreasonable competition is one of the primary causes of waste, leading even to a disregard of human life and human welfare. He cited a great basic industry (admitting after his address that it was the bituminous coal mining industry) in which, as the result of competition, there is at present shocking disorganization and human suffering. "Since labor organizations cannot be destroyed, why not," he pleaded, "recognize their value and merit and accept from them the benefits they can give through their organized effort?"

The workers realize that their welfare in a great measure depends upon the maintenance of peace in industry. They have believed that it could better be maintained through collective bargaining. He insisted that efforts of employers to prevent the organization of workers are a waste of time,

money and effort that should be eliminated. "Labor," he declared dramatically, "is not un-American. It is sound, constructive, practical and rational. It has been forced to take a militant attitude in order to maintain its very existence. It does not want to waste its energies in industrial conflicts. It understands fully the cost of industrial strife, but it is determined to assert its right to organize and bargain collectively, regardless of cost or sacrifice.

"I am confident that we can minimize industrial controversy through a proper regard and recognition of the rights of both employers and employees. The right of the employer to manage his industry, to control it and to receive a fair profit upon his investment should be maintained and recognized. The right of the employees to organize, to bargain collectively, to be represented in conference with employers through their chosen representatives, is a right which should be readily accorded and completely recognized. A religious observance of these rights will do more to minimize industrial controversy than the application of any rule or formula.

"Supplementing the recognition of these simple rights must come understanding, co-operation and the manifestation of a mutuality of interest in the management and conduct of industry. Good faith and good will must be firmly established. Perfect candor must characterize the attitude and relationship of both employers and employees at all times."

"Labor organizations have succeeded in

many lines of industry in establishing such business relationships between employers and employees and thus reducing the cause of industrial controversies. Organized labor is deeply interested in the proposal to eliminate industrial waste and has succeeded in bringing this about in a very large measure where it has had a proper opportunity to function. It seeks for the opportunity to do more effective work. It can, if given this opportunity, provide the machinery through which industrial controversies may be lessened and substantial help can be given in the task of eliminating waste and inefficiency."—*From Electrical World, of April 18, 1925.*

R. F. Smith Resigns to Enter Business in Akron, Ohio

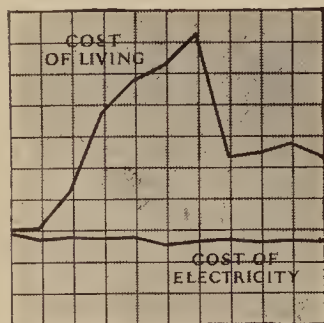
Ruel F. Smith of the Industrial Service Department leaves the employ of our Company on May 2 to join the firm of Tucker Coal and Building Supply Co., Akron, Ohio. He entered the employ of the General Electric in 1916 as an instructor in the Apprentice School. After three years in the Apprentice Department, he took charge of a special drafting course, arranged to prepare men for drafting room work in one year and carried this work through with unusual success. Mr. Smith has had charge of all the foremen conference work at our plant and has served as plant safety engineer with the safety committee during the last two years.



MOTHER



You will find these letters on many tools by which electricity works. They are on great generators used by electric light and power companies. They are on electric lamps and on tiny motors that make hard housework easy. By such tools electricity dispels the dark and lifts heavy burdens off human shoulders. Hence the letters G-E are more than a trade mark. They are an emblem of service.



1914

1924

THIS is the test of a successful mother—she puts first things first. She does not give to sweeping the time that belongs to her children.

An electric motor runs a vacuum cleaner for less than 2 cents an hour.

She does not give to washing the time that belongs to her children.

An electric motor runs a washing machine for 3 cents an hour.

She does not rob the evening hours of their comfort because her home is dark.

To light a room splendidly, according to modern standards, costs less than 5 cents an hour.

Men are judged successful according to their power to delegate work. Similarly the wise woman delegates to electricity all that electricity can do.

She cannot delegate the one task most important. Human lives are in her keeping; their future is molded by her hands and heart. No lesser duties should interfere with the supreme duty of having plenty of time with the children.

Certainly no household drudgery should distract her, for this can be done by electricity at a cost of a few cents an hour.

GENERAL ELECTRIC



Vol. 9

JUNE, 1925

No. 6



GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



Testing Our Product

On our cover of this issue is a view of a testing bench as used in the fractional horsepower motor section of our plant. Ralph Heminger is the man shown at work at this testing bench. There are of course many of these testing equipments, as it requires a number of them to give each week's thousands of small motors their individual tests.

The electrical tests of our product are our Company's proof that our products are high grade. And that our products shall be high grade means more to all of us than we might at first suspect. There is keen competition in all electrical lines today and this competition requires that we furnish our customers only goods which are electrically and mechanically OK. To get and keep our share of the business requires that our products must be OK.

In our tests, motors for example are systematically put through their paces to see that they will actually do their work. This then requires that our test men must be always right on the job. The motors which go out from our plant must maintain the reputation of our Company for putting out only the highest grade work. The test man's job therefore is to see that this reputation is maintained. He has a responsibility in this matter not only to our Company but to himself and all of his fellow workers all along the line. We advertise to the world that the G-E Monogram on a product is a guarantee of excellence, and this significance must be maintained if our jobs are to be secure. We all depend upon our test men to do their work well and therefore there is no place in such group for careless or incompetent men.

President Swope's Views on Electrification of Railroads

ONE of the most important factors in making this country one and undivided, and tending toward greater solidarity in interest and thought has been the widespread development of transportation. This country is tremendously indebted to the courage and vision of the pioneer railroad builders in welding different sections of the country together, and the union of East and West by solid ties of steel was a magnificent achievement rarely if ever paralleled in the history of any country.

The very existence of our great cities and their growth depends on efficient, expeditious and economical transportation. It is almost impossible to appreciate the amount of transportation involved merely to maintain life in a city like New York. Well informed engineers report that the freight transportation requirements of a city in ton miles have increased three and one-half times as fast as its population, and modern city planning is largely a problem for meeting these conditions.

The position that the transportation system in the United States has reached, implying as it does the proud distinction of rendering the greatest service to the community as a whole of any in the world, is a monument and credit to the initiative and enterprise of private undertaking.

The part that the steam engine has played in this development is remarkable. Under the inspiration of the engineers associated with the railroads and the manufacturers, the steam engine has met the successive and seemingly insurmountable difficulties presented in moving greater tonnage at higher speeds. Our extensive transportation system has been so admirably served by the steam locomotive that we should not look for a change to another type of motive power unless there are some good and sufficient reasons for its adoption. The steam locomotive will undoubtedly continue for many years in the service with which it has been so closely identified for nearly a century. Further improvements may be expected which will increase the power and the fuel economy of steam locomotives, but however much may be accomplished in this direction there still remains the limitation of power imposed by restrictions in size of the locomotive boiler and fire box, and the inherently lower fuel economy in comparison with the modern steam electric power station.

The problem before the railroads and the country is more efficient, more economical, more expeditious methods of handling the great transportation of this country,

and serving the people of the farms and cities in the most satisfactory manner. The electrical manufacturers as well as all manufacturers are vitally interested in the solution of this problem. The electrical manufacturer is not advocating electrification of railroads simply in order to sell his electrical apparatus, as this would be a short-sighted policy. The electrical manufacturer as a member of the whole community to be served, and its hundreds of thousands of employees, want the transportation system of the United States the best in the world, and the best adapted to meet the nation's requirements of service at the lowest cost. We do believe that electrification will meet these requirements of a larger and increasingly larger portion of our railroads more fully than any other change in the transportation system, and a

brief resume of the reasons therefore follows:

First, the conversion of energy from coal to power is at best inefficient, but the most uneconomical and wasteful is the conversion of power on a steam locomotive in comparison with the high efficiency now developed in the large modern electric power stations of the country, and this difference in efficiency is inherent and cannot be modified to a great extent even by the improvements that have been made and are being made in the efficiency of the steam locomotive. The saving of coal per year, if only one-half of the railroad mileage of the United States were electrified would be approximately 40,000,000 tons, or at the prevailing market price \$120,000,000 per year. This would be a fine contribution to the conservation of our natural resources, would free human labor in the mines and free investment in handling this tonnage, and increase by more than ten per cent the carrying power of the

(Continued on page 8)

G. E. Financial Report

Orders, Money, Profit, Dividends, Stockholders and Other Information Regarding 1924 Operations

By C. M. Ripley, E. E.,
Schenectady, N. Y.

THE most interesting features of the General Electric Company's business in 1924 are as follows:

Electrical products valued at \$299,200,000 were finished, shipped, and billed to the customers.

But it cost \$264,900,000 (or 89%) to turn out the goods, including materials, payroll and all charges, reserves and Federal taxes.

So there was left a manufacturing profit called "net income" of \$34,300,000. This is about 11% of the gross income from the customers.

Sundry Income

But the money which the customers paid for electrical products was not the only income of the Company. The report shows that there was a "Sundry Income" of \$10,800,000, such as interest on money in bank, royalties on patents and licenses, and income from investments.

But partially offsetting this sundry income was the \$5,900,000 deducted in the report for reserves, interest paid out on bonds, etc.

Thus there was left almost \$39,250,000 as profit available for dividends. But only 40% of this was paid to the stockholders as cash dividends. To be exact,

stockholders last year received \$15,600,385 of G-E cash.

The remainder was left in the business, that is, re-invested, spent for improvements, enlargements or extensions, or used as working capital.

Cash to Employees and Stockholders Compared

The money paid the employees was almost exactly \$118,000,000 in 1924.

If you divide this sum by 71,000 (the average number of employees last year) you will see that the average employee, including the president and the office boy, was paid \$1,660 last year.

At the end of the year the cash on hand was \$69,677,000, which is equivalent to the total income of about seventy days.

If the Company sold at par value the Government securities it owns, that would bring in \$48,000,000, or a little less than the income of about forty-nine days.

No new common stock was authorized during the year, and no common stock was issued except to employees who completed installment payments for stock subscribed for in 1921.

The special stock of \$10 par value that constitutes the 5% stock dividends was authorized some years ago.

The table accompanying this article shows the money paid to employees and to

investors. The money paid to investors is not only the cash dividends but also interest paid on bonds and notes.

In 1924, there were 37,716 stockholders. The common stockholders each own on the average 55 shares of common stock. These stockholders in 1924 received cash dividends above mentioned, also the 5% stock dividend mentioned above.

Electric Bond and Share Co.

In December, 1924, the Board of Directors of the G-E Co. decided to distribute to its stockholders the Electric Bond & Share Company securities then held in the G-E Treasury. They wanted to distribute them pro rata, share for share; but it so happened that the amount of Electric Bond & Share stock to be distributed was not equally divisible by 180 odd million—the number of common shares of the G-E Co. It was like trying to divide 15 baseballs among 100 people.

This difficulty was overcome by the organization of a new company called the Electric Bond & Share Securities Corporation with exactly as many shares of common stock as the G-E Co. had outstanding at the time.

So, in 1925, each G-E stockholder was mailed stock certificates of the new corporation, according to the amount of G-E stock he owned—that is, each got one share of stock in the new corporation for each share of G-E common stock he owned. As a result of this distribution, the market value of G-E stock immediately dropped so that the selling price of both stocks was almost exactly equal to the selling price of the G-E stock alone, before the distribution was made.

The company's balance sheet shows that the G-E surplus is reduced from \$82,762,000 to \$72,362,000.

The report is signed by Owen D. Young, Chairman, and Gerard Swope, President.

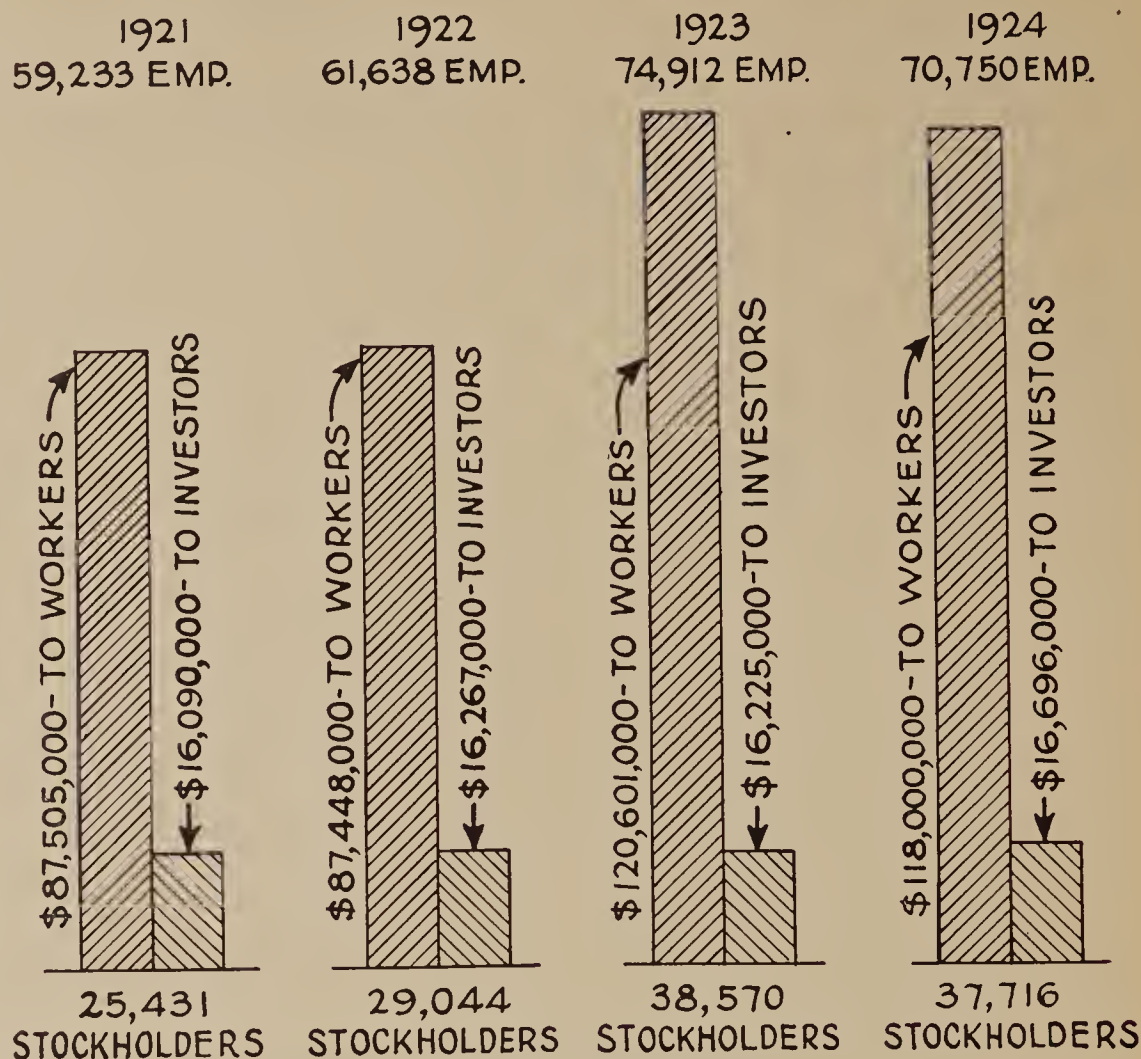
First Type C D Motor Passed Through Test April 17th

THE first Type C D motor manufactured here at our plant passed through the general test on April 17th with flying colors. By this time it is probably in service some place in the U. S. A. living up to the guarantee of excellence which the G-E Monogram on its name plate leads the customer rightfully to expect.

Type C D is the designation of the new design of direct current, general purpose motors which we are beginning to manufacture here and which we hope may result in an appreciable increase in the output of our apparatus departments and steady employment for a greater number of our factory employees. The Type C D machines are to be built in four- and six-pole frames and will be manufactured here in ratings up to 200 horsepower in accordance with general arrangements made some few months ago.

The outstanding improvements found in these new lines of direct current machines are largely mechanical. The standard General Electric steel shell babbit bearing linings are used except in cases where ball bearings are preferred. Larger

GENERAL ELECTRIC CO. 1921 - 1924 NUMBER OF EMPLOYEES; MONEY PAID TO EMPLOYEES, MONEY PAID TO HOLDERS OF GE NOTES, BONDS & STOCKS.



shafts and bearings, lower oil level and larger oil reservoir capacity, oil rings retained in their slots by a guard permanently attached under the bearing screw, an improved bearing bracket and improved insulation are features of these new designs. Probably the most noteworthy feature, however, is the high degree of standardization which has been embodied in these new designs of direct current machines.

A new engineering department has been established here to handle this new line of machines. P. O. Noble, the engineer in charge, came to us from the D C Motor Department at Schenectady Works, and with him have come three other men, F. Hanson, I. N. Kellogg and V. J. Tuttle. L. D. Nordstrum and C. V. Zieg, who were previously connected with direct current work in our local Apparatus Engineering Department, have been transferred to the new D C Motor Department under Mr. Noble.

The production work is being handled by C. H. Baade and A. Delagrangé. The drafting work at present is being done in the General Drafting Department, Building 18-5, under the direction of W. H. Crighton and John W. Felmeé.

The offices of the D C Motor Department are located in new quarters especially arranged for them on the fourth floor of Building 17.

Cash or Bonds, Which Do You Want?

BEFORE the payment last February of the 5% Supplementary Compensation all employees were asked in advance as to whether cash or bonds was desired and payment was made accordingly. Yet 22% of those who asked for bonds surrendered them within thirty days. This occasioned what seemed a useless and unnecessary expense. The order for printing blank bonds had to be placed at least five weeks in advance; there was the cost of clerical work in filling out and recording these bonds, and again the extra clerical work in the case of the surrender of bonds. You would be surprised at the added amount of money spent incident to these cancelled bonds for which no one has anything to show except the worthless cancelled bonds.

Employees who will share in the next payment of supplementary compensation again will be given a choice between bonds and cash. It is hoped such employees will consider seriously in advance which they want. If you want bonds, don't hesitate to say so, but if you want the cash, say so when asked about it and help us save unnecessary expense.

J. W. CRISE.



THE CAST OF "THE HOODOO"

Top row—Sam Newlin, Neal Hench, Lillian Steup, Mrs. Francis Long, Vera Bauman, Susie Wagner.

Middle row—Charlotte Hallauer, Flora Boerger, Mary Sturdevant, Eddie Horstman.

Front row—Geo. Stinson, Luella Tarmon, Josephine Majors, Annette Bauman, Horace Horn, Vivian Powell, Winifred Smith, Dorothy Hormel.
Lyndon Adams, not present for picture.

"The Hoodoo" Plays to Good House on Third Performance

"The best staged amateur play I ever saw," and "better than many professional troupes," were comments that were made and unquestioned following the performance of "The Hoodoo," recently staged by a G-E cast under the direction of Mrs. Frances Long. The play was full of action and humor and all situations were exceptionally well staged. Any one seeing the play will agree that we have dramatic talent here in our Works and a director in Frances Long able to select and stage that talent.

As to the outstanding stars, a popular verdict would include every one in the cast. It is true that certain parts were much heavier than others but those holding minor parts took their parts well. The little girls, Eileen Mentzer, Phillis Goeriz, Elenore Houck, Dorothy Gauert and LaVonne Gauert as the "Little Spigots" in the play made for the "Professor" a family of which any one might well be proud.

G-E Fills Radiogram Order for Motor Parts

George Graue, of Bldg. 4, Copies Order and Turns It in to Local Commercial Department.

OUR local Works lately filled its first order received by radio for electrical equipment manufactured in our plant. A radio amateur away up in the state of Maine found himself in immediate need of two field coils for a small SDA generator, manufactured here at our plant. By means of his key this amateur got in touch with local station 9 BKJ, in charge of our well-known amateur, George Graue, an employee of Bldg. 4. Graue took the message of station 1 AWQ for the needed

field coils and turned the order over promptly the next day to the local Fractional Horsepower Motor Sales. The needed field coils were sent out that day by parcel post collect, so that our customer, the radio amateur, should have had but a short wait for the repair parts of which he was in need.

This instance of a radiogram order is another bit of concrete evidence that the members of the Amateur Radio Relay League can and do handle business messages with business precision and dispatch. This message came through the ether from North Lovell, Maine, at 7:10 p. m., some little time before the darkness of the night enabled the eastern high powered broadcasting stations to get their programs through clearly and with strength. Below is reproduced this first radiogram order received by our local Works.

Hiram Percy Maxim, President Chas. H. Stewart, Vice-President		E. M. Schnell, Traffic Manager		A. A. Hebert, Treasurer K. B. Warner, Secretary	
THE AMERICAN RADIO RELAY LEAGUE 9BKJ RADIOGRAM					
Received		FROM STN.		LOCATED AT	DATE
No. 41		1RWQ		North Lovell Maine	May 8
		FROM		C. A. Barcelona Oxford County North Lovell Me.	DATE May 8
		TO		Gen. Elec. Co. Ft. Wayne Ind (Eng. Dept)	VIA
Will you send me by C.O.D. parcel post. Two field coils for model No 24331 type S.D.A. - 500 volts 3450 rpm, one tenth 1KW generator. This is used for wireless outfit.					
Sent		TO STN.		LOCATED AT	DATE
No.					
NOTICE TO ADDRESSEE: The Station delivering you this message will be pleased to forward your reply without charge.					

H. E. Crane Leaves Fort Wayne Works

Robert Steck Appointed to Have Charge of Refrigerating Work.

AS QUITE a surprise to his many friends at our Fort Wayne Works came the announcement during the early part of May, that H. E. Crane, Superintendent of Inspection and Test, and in charge of the engineering manufacture and sales of refrigerating machines here at our plant, had resigned to accept a position with the Hoover Company, at North Canton, Ohio.

Mr. Crane came to the Fort Wayne Works immediately following his graduation from Purdue University in the summer of 1895. His first work was on the student engineer course, of which he later had charge. In 1900 he was made Superintendent of Construction for the Fort Wayne Electric Works organization and held this position until 1915. In 1914, Mr. Crane was made Production Manager at this Works, which title he held until 1916.

It was in 1912 that Mr. Crane's duties were further increased to include the supervision of engineering, manufacture and sales of all refrigerating machine product of our plant and in 1916 he became Superintendent of Inspection and Test.

Following Mr. Crane's resignation, Robert Steck, a well-known engineer, who came to us several years ago from the Schenectady Works in connection with the Owen-Entz transmission work and who has since been active in battery charging and refrigerating design work, has been given general charge of the refrigerating machine work, succeeding Mr. Crane. The supervision of Inspection and Testing Departments, previously under the control of Mr. Crane, will be handled by E. A. Barnes, in addition to his other duties as General Superintendent and assistant to the manager of our plant.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
R. F. Smith _____ Safety
Helen Fuhrman _____ Girls' Department
Wade Reed _____ (G-E A. A.) Athletics
Verena Miller _____ Decatur Works

REPORTORIAL STAFF

S. C. Newlin _____ Electro-Technic Club
Alma Olson _____ Elex Club
Carrol Blincoe _____ Apprentice Association
Fred Duryee _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
John L. Verweire _____ Band
J. E. Hall _____ Quarter Century Club
Edward Witte _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
E. L. Misegades _____ G-E Squares
Irene Fox _____ Absent Employees

Vol. 9 June, 1925 No. 6

THE stockholders of the General Electric Company, at their meeting on May 12th, voted to increase the capital stock of the company from the present amount of \$220,000,000 consisting of 1,850,000 shares of common stock of the par value of \$100 each, and 3,500,000 shares of special stock of the par value of \$10 each, to the amount of \$240,000,000 consisting of 1,850,000 shares of common stock of the par value of \$100 each, and 5,500,000 shares of special stock of the par value of \$10 each, an increase in such special stock by the amount of 2,000,000 shares.

The twenty directors were re-elected for the ensuing year as follows: Gordon Abbott, Oliver Ames, George F. Baker, Jr., Anson W. Burchard, Charles A. Coffin, George P. Gardner, Francis W. Morrow, Robert Treat Paine, 2d, Marsden J. Perry, Seward Prosser, E. Wilbur Rice, Jr., Edward R. Stettinius, Philip Stockton, Bernard E. Sunny, Gerard Swope, Burton G. Tremaine, Owen D. Young.

Why Not Sign the Interest Order?

June 1st was the date at which interest was paid on G-E Employees' Securities Corporation Bonds. Fifty-nine per cent of those who held these bonds at this Works have signed the interest order whereby their interest is allowed to accumulate until it amounts to \$10, at which time the bond owner is given a \$10 G-E Employees' Securities Corporation Bond, which earns him eight per cent interest as long as he remains a G-E employee. There is, of course, one condition under which the above does not hold, that is where the bond holder has purchased during the year his maximum allowance of \$500 worth of bonds. Even in this instance the interest accumulates and draws six per cent interest until such time as

the bond holder by failing to purchase the maximum amount of bonds permits the interest to be placed in the form of bonds.

Signing the interest order approximates an arrangement whereby the original investments in bonds draw compound interest. You undoubtedly know the merits of having an investment at a good rate of interest compounded semi-annually. Even if you are buying annually the full allowance of \$500 worth of bonds, wouldn't it be a good idea for you to sign the interest order and profit from its provisions?

Where Do Wages Come From?

A business man of the first rank sat at a table in his New York office the other day, and when a proof of the General Electric Company's advertisement, "Wages," was put before him, he said:

"Publishing advertisements is not such a tangible thing as making armatures, or hoisting stones with modern derricks, or tending one of the modern semi-automatic machines which, in an hour or two, produce so many finished articles. But hardly any of us can read this 'Wages' advertisement without realizing that it throws a new light upon a problem as old as the world.

"The problem is merely this: 'Am I paid enough for my own services? Does the man or woman who works under me feel that he or she is being underpaid? How much ought any man to earn? Who pays our wages anyhow?'

"I think the secret of high pay is one which any one can master, as soon as he or she realizes that the REAL paymaster is not the comptroller, or the clerk behind the pay window, or even the president and directors of the company for which we work, but is the great public who buys the articles which you and I produce."

Growing Recognition for the Rights of a Patent

IT HAS been extremely interesting to note the amount of editorial attention which has been given by the newspapers of America to the recent decision by Judge Westenhaver of the United States District Court in Cleveland in the government suit against the General Electric and Westinghouse companies charging an unlawful monopoly in the manufacture of tungsten-filament electric lamps. This quotation from the *Buffalo Courier* sounds the keynote of the general press comment:

"The game of hunting the octopi is not what it used to be. Since the days of abuses by trusts we have advanced considerably in our economic system. Government regulation has been established; the farmers have

great co-operative associations; labor has big banks and is fast extending them; ownership of industry is becoming true public ownership through investment of earnings in industry's securities. Naturally public opinion in regard to business has changed. The service business performs, not its size, determines its worth."

The suit referred to was the outgrowth of the famous Lockwood investigation in New York in which the sensational charges of Samuel Untermyer naturally won wide publicity with "scare" head lines. Such an attack inevitably does harm to industry in general. It raises doubt and fear of large industrial corporations in the minds of countless people who, because they lack the facts, accept at least in part the statements of the critics and think that if the government brings suit there must surely be something very wrong.

Now comes the judge's opinion. The rights of the owner of a patent, he says, cannot be questioned. Deny him the right to license other manufacturers and appoint agents to sell and you simply compel him to keep the entire business exclusively in his own hands. Therefore, said Judge Westenhaver, in this lamp case: "The building up of a system adequate in size to market the product becomes the only ground of criticism and, in my opinion, is without merit. Such methods of doing business are in favor of freeing rather than restricting interstate trade. It appears that its system is less costly and more economical to the consumer, has improved service to the customer, and has kept prices stationary if it has not reduced them in an epoch of rapidly rising prices."

These are fundamental principles vital to every manufacturer who owns a patent, and they should be read and discussed in every household. The pity is that the court's analysis lacks the popular appeal that wins the broader publicity for the dramatic charges of the prosecution. But in the end, as ever, "truth beareth away the victory."—*Electrical World*.

GROUP LIFE INSURANCE

Deaths Reported for March, 1925

Employees	Died	Beneficiary
<i>Schenectady</i>		
Chas. A. Hinkel	Feb. 21	Wife
Albert Rotonde	Feb. 25	Wife
Louis A. LeSage	Feb. 26	Wife
Frank Hughes	Feb. 26	Wife
Wm. H. Williams	Mar. 4	Wife
John Sokotski (Sokolowski)	Mar. 6	Wife
Edward Plude	Mar. 6	Wife
Jesse C. Brown	Mar. 7	Mother
Gotthard P. Opprecht	Mar. 16	Wife
Otto G. Mertens	Mar. 20	Wife
Peter L. McDonnell	Mar. 22	Mother
Wm. F. Rothmeyer	Mar. 23	Mother
Alex W. Gillespie	Mar. 18	Wife
<i>River Works</i>		
Helen W. Dow	Feb. 4	Estate
Jesse D. Erb	Mar. 12	Wife
<i>Pittsfield</i>		
James Owen	Jan. 27	Daughter
Wm. Morrissey	Feb. 16	Son
Hiram P. Babcock	Mar. 9	Daughter
James Donald	Mar. 12	Wife
<i>Erie</i>		
Miltiades L. Glen	Mar. 3	Wife
<i>Bloomfield</i>		
Henry L. Pearson	Mar. 23	Wife
<i>Baltimore</i>		
Chas. Riche	Feb. 23	Wife
Jos. P. Bryant	Mar. 15	Wife

Philadelphia

Erwin W. Howard.....	Feb. 11	Wife
<i>New Kensington</i>		
Salvatore Turco	Feb. 22	Brother
Total—25 Deaths		\$30,700.00

Deaths Reported in April, 1925

Employees	Died	Beneficiary
<i>Schenectady</i>		
Frank Creelman	Jan. 19	Estate
Antonia Bello	Mar. 24	Wife
Michael J. Lyman	Apr. 4	Daughter
David H. LaCrosse	Apr. 6	Wife
Harry Bailey	Apr. 6	Wife
James Divicenzo	Apr. 7	Wife
William J. Irvine	Apr. 9	Wife
John W. Barhydt	Apr. 12	Wife
William J. Grinter	Apr. 13	Wife
<i>River Works</i>		
Ettore Muscioli	Mar. 22	Wife
Ervin E. Stevens	Mar. 31	Wife
Patrick P. Hennessey	Apr. 6	Wife
John Belmont	Apr. 12	Wife
Dennis F. Foote	Apr. 14	Depend't Sister
Joseph P. Greaves	Apr. 17	Wife
<i>West Lynn Works</i>		
Henry Card	Apr. 3	Wife
Thomas Hill	Mar. 28	Wife
<i>Pittsfield</i>		
Alden H. VanBuren	Mar. 23	Wife
Jules Coudert	Mar. 27	Wife
Julia Murray	Mar. 31	Mother
George A. Crooks	Apr. 11	Daughter
<i>Fort Wayne Works</i>		
Isabelle C. Ueber	Feb. 8	Father
<i>Erie Works</i>		
Myrtle I. Mead	Mar. 13	Mother
Leland S. Stearns	Mar. 26	Wife
Simon Todorut (1923)	Sept. 13	Children
<i>Bridgeport</i>		
Catherine Wygnal	Apr. 2	Mother
<i>Baltimore</i>		
Thomas Ray	Apr. 4	Wife
<i>Boston</i>		
John S. Butler	Mar. 22	Wife
<i>Bristol, N. H.</i>		
Clara F. Willette	Mar. 26	Daughter
Total—29 Deaths		\$37,400.00

A New Treat for Visitors to Niagara Falls

THE spectacular lighting of Niagara Falls which took place on the night of May 24th, Queen Victoria's birthday, is generally conceded to be one of the most gorgeous illumination displays ever devised. Much of the success of the unusual event was due to a searchlight of improved type developed expressly by our Company for this project. As a result of these improvements, the twenty-four 36-inch searchlights installed were not only easier to operate but gave more light than the standard projector.

Instead of depending upon a natural ventilator to carry away the smoke and gases from inside the light, caused by the burning carbons, an electrically driven suction ventilator was placed on top of the new lights, assuring the removal of any smoke or gases within the lamp which tend to lower its illuminating value. Easier control and adjustment of the carbons by the operator is made possible by handles outside the lamp, making what was a mechanical task in other types of lights a very simple matter, even for an inexperienced operator.

A third outstanding feature of the improvements is the smaller and higher intensity carbons, which give greater current density to the illumination. In decreasing the diameter of the carbons, the electric current has been increased from 110 to 125 amperes.

"These lights have come up to every

expectation," W. D. 'Arcy Ryan, Director of the Illuminating Engineering Laboratory, said. "The thousands of people who now visit Niagara Falls will witness an unforgettable illumination display."

Schenectady's New Hotel Opens

DISTRICT office men who visit Schenectady are assured of the facilities of a thoroughly modern hostelry by the opening, on May 7th, of the new million dollar Van Curler Hotel. It contains 201 rooms, of which 130 are with bath. Its dining service and other features are strictly first class. The building is owned by a local corporation, and the hotel is conducted by the United Hotels Company, which operates a chain of hotels in a number of cities.

The Van Curler is located in Washington Avenue at the foot of Schenectady's main business thoroughfare, State Street. It is immediately adjacent to the Western Gateway Bridge across the Mohawk, built at a cost of more than a million dollars and soon to be opened to traffic. It is but a short distance from the Union Station, and is only a few minutes' walk from the General Electric offices and plant.

It is named after Arent Van Curler (or Van Corlaer), the founder of Schenectady.

H. O. Kemp, of the Philadelphia Works, was the first to register at the hotel. Applying for accommodations late in April, before it was officially opened, he was cordially received and thus became the first guest.



New U. S. Airplane Carrier Saratoga Will Be Electrically Equipped by G.E.

Will Have Speed of Almost Forty Miles Per Hour

WHILE 30,000 people cheered, waved hats and handkerchiefs; while steamer whistles shrieked their greetings; while thirty or more airplanes scooted low overhead, the U. S. S. Saratoga, airplane carrier and pride of the U. S. Navy, gently slid down the ways of the New York Shipbuilding Corporation at Camden, N. J., into the Delaware river on April 7.

Navy officials declared it one of the most successful launchings they had ever witnessed. The Saratoga was christened by Mrs. Curtis D. Wilbur, wife of the secretary of the navy, who used a bottle of Saratoga mineral water for the purpose. Three hours after the launching the ship was towed to a pier in the shipyards by a dozen tugs and here she will remain until late next year while machinery is installed and her inner structure completed.

The Saratoga is a combined floating airplane landing field, hangar and workshop for seventy-two fighting airplanes and bombers that may some day swarm off her five-acre deck to play their part against an enemy fleet at sea, repel an air attack or bomb some city.

This gigantic 35,000-ton ship, the largest ever launched on the western hemisphere, will be able to cross the Atlantic in about four days at a speed of close to forty miles an hour—a speed produced by the most extraordinary power installation ever devised for a naval vessel; sixteen oil burning boilers giving steam to four 35,200 kilowatt Curtis turbine-generators which in turn develop sufficient electricity to drive eight giant General Electric motors of a combined rating of 180,000 horsepower attached to the four propellers. All this equipment has been made or is in the process of manufacture at the Schenectady Works of the Company.

To better appreciate the great power of the ship, an engineer has figured that if the 180,000 horsepower were used for other purposes than to drive the ship, it would:

Supply sufficient electricity to take care of the light, heat and power requirements of a city the size of Boston.

Propel ten average Atlantic passenger ships.

Operate more than 140,000 radio broadcast stations, each as powerful as any first class station of today.

Equal the energy of 100 average steam locomotives.

Be equivalent to the man power of all the inhabitants of New York City, working in eight hour shifts, if all were working men and there were no women or children.

This launching was the first ever to be broadcast. The ceremony attending the event was sent out by WJZ and WRC of the Radio Corporation located in New York and Washington, working in conjunction with WGY of the General Electric Com-

pany in Schenectady. Kolin Hager of WGY did the announcing and after the ship had been launched Admiral Moffett, chief of the bureau of aeronautics of the navy; Captain Gherardi, aide to the secretary of the navy, and Commander Whiting gave brief talks before the microphone. The broadcasting concluded with the address by Secretary of Navy Wilbur, delivered at the luncheon given by the New York Shipbuilding Corporation.

Besides her powerful equipment the big ship is laden with a wealth of tradition, woven into the history of the United States Navy by four other ships that have served gallantly under the name of Saratoga. One of the many remarkable facts about the new warship is that she will be the first ship in the navy to be christened with a name already made famous by four preceding sea fighters.

A sister ship to the Saratoga, the Lexington, will be launched this fall, probably in September, at the Fore River Shipbuilding Company at Quincy, Mass. Her electrical equipment is also being manufactured by the General Electric Company.

Among General Electric officials attending the launching were J. R. Lovejoy, vice-president, and C. E. Eleventh, manager, Schenectady Works.

Electrification of Railroads

(Continued from page 3)

railroads so electrified, because this part of the present equipment is now used to transport coal the railroads themselves consume.

Second, the electric locomotive is not restricted in its capacity, as in the case of the steam locomotive, the latter being limited in power by the size of the boiler it can carry. The central station from which the electric locomotive derives its power is stationary and may have a capacity many times in excess of any number of locomotives that may be on the line at the same time. Electrification thus provides greater possibilities for handling heavier traffic more expeditiously under varying conditions of railroad operation, with less human effort and supervision and at a reduced cost.

Third, the contribution to health, comfort and safety by elimination of smoke and dirt in tunnels and city terminals is apparent. The increased money value, by reason of electrification, to the railroads themselves, to the city from increased tax assessments, and to private property owners because of increase in value and consequent increase in rents needs no better illustration than the magnificent terminals of the Pennsylvania and New York Central railroads in this city (New York).

Fourth, capital expenditures for betterments on congested mountain grade di-

visions in many instances may be more profitably made for electrification than for the building of tunnels, construction of additional tracks and more steam engine facilities. The electric locomotive combines enormous tractive power with much higher speed which makes it most effective in increasing the carrying capacity of existing tracks and its introduction postpones indefinitely any necessity for great expenditures that would be needed to give equivalent operating facilities with steam engines on difficult mountain grade divisions.

Fifth, records kept over a long period of time clearly show that the cost of maintenance of steam engines is three times that of electric locomotives, hauling the same tonnage, over the same division and under the same operating conditions.

Sixth, for switching and branch line service the Diesel electric locomotive and the gas electric car are available. These consist of a gasoline or Diesel engine driving an electric generator, which in turn drives electric motors. The unit is self-contained and independent of trolley or third rail.

This briefly sets forth the advantages of electrification for railroad service over steam, irrespective of whether alternating current or direct current is utilized. Electrification with either has been of great benefit to the railroads, the traveling public and the community served.

There is still difference of opinion in the minds of prominent engineers as to the relative merits of alternating and direct current to meet the varying conditions of transportation service in the United States. This difference is far less important than the difference between either and steam locomotives.

This difference of opinion exists also in the minds of engineers outside of this country, but in most countries where this problem has arisen it has been met nationally and a national solution arrived at, even where in the same country, railroads were partly owned by the public and partly by the state. A few examples will be given. One system of electrification was adopted for all France, namely, direct current and they are proceeding with the work. In England also the direct current has been adopted nationally. In Germany and Switzerland alternating current has been adopted nationally. One would naturally expect that the different nations in Europe would differ in their solutions of the same problem because of their traditional differences and diversity of interest. Europe, notwithstanding the tremendous difficulties of the present economic situation is proceeding more rapidly to solve the problem of electrification of its railroads than we in the United States. Just as in this country we have a standard gauge for tracks, standard couplers, standard brakes so as to make our equipment interchangeable, so it is to be hoped that a national electrical standard will be adopted with all its attendant advantages, allowing us to mobilize our resources for the greatest economic development of this country in peace and to protect ourselves most effectively in war.

Today the equipment in the terminals of

New York City and Philadelphia are not so interchangeable, although both operate under similar conditions in congested areas of great wealth on our Atlantic seaboard.

As the Secretary of Commerce has so clearly pointed out, one common system would save hundreds of millions of dollars in equipment, that would otherwise be wasted, and the difficulties, cost and delays of interchange would be greatly decreased.

Standardization will also affect very directly the use of the power developed by the large interconnected public utility companies—so-called Superpower—and the best utilization of the power developed at the coal mines and water falls resulting in the greater use and development of our natural resources.

Electrification is going to call for increased capital outlay, and standardization will materially reduce the amount needed and facilitate the raising of such additional capital:

First, by the greater use of the power developed by the larger central station systems throughout the United States, so that the railroads will obviate the large investment running into millions of dollars needed for power stations, and

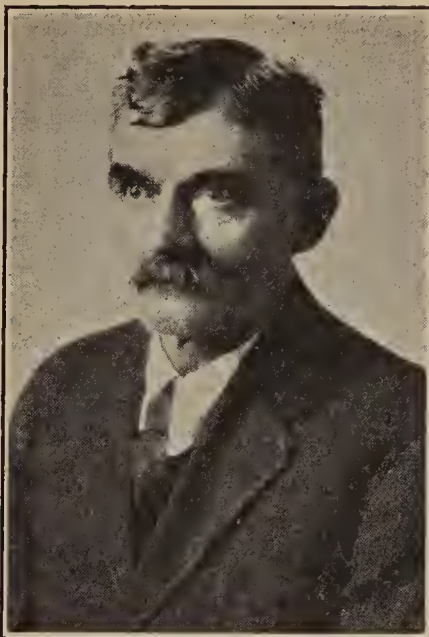
Second, by the use, if desired, of car trust certificates or similar plan to finance the purchase of electric locomotives, which by the fact of being interchangeable for all roads will make the financing easier and will greatly facilitate and cheapen the financing itself.

It is to be hoped and much desired that the railroad executives intrusted as they are with the custody of more than \$25,000,000,000 of railroad property, owned by millions of people throughout the United States, and used by many more, will approach this problem from a national and American standpoint, in order to determine the best standard and interchangeable equipment to meet the varying conditions.

Personally I have the greatest confidence that this problem will be solved as the railroad problems in the past have been so ably and patriotically solved. To that end I am pleased and proud to pledge the assistance of the great organization with which I am associated, and irrespective of individual opinion and solely from the standpoint of national interest whatever system is adopted, to stand ready to give the best engineering and manufacturing service that can be rendered to the railroads of America.

August Jaebker Joins Quarter Century Club

August Jaebker, of the Heat Treating Department, Building 27, was admitted to membership in the G-E Quarter Century Club on May 24th, and now proudly wears the emblem of that club. Mr. Jaebker is best known as a blacksmith for he was an employee of that department from the time he was engaged May 24, 1900, until March 1st of this year. His recent transfer to the Heat Treating Department came in recognition of his ability as an expert in heat treating work.



AUGUST JAEBKER

New Member of Quarter Century Club

Mr. Jaebker celebrated his sixty-fourth birthday on February 12th. He now has the honor of being the one hundred and fourteenth employee of our Fort Wayne Works to qualify for membership in the G-E Quarter Century Club.

G-E Volunteer Firemen Have Received New Uniforms

Will Attend Convention at Hartford City on June 17th and 18th.

OUR G-E Volunteer Firemen will be newly uniformed when they leave with Chief Paul Grimme for the Twentieth Annual Convention of the Northern Indiana Industrial and Volunteer Firemen to be held at Hartford City, June 17th and 18th. Thirty-six highly trained firemen in new uniforms with gold buttons is the bid that Chief Grimme's boys will make for the prize uniformed company at the next convention.

And again this year the G-E boys will bid hard for honors in the hose laying, running ladder, and water battle contests. Being hosts last year, our boys were not eligible to enter the contests. In the hose laying, G-E firemen hold the record of 30 second flat for running 100 yards, then laying two hundred feet of hose and attaching a nozzle. The hose-laying team this year will consist of Phil Weich, captain; C. Heuber, C. Reynolds, W. Glenn, G. Doehla, E. Yahne, E. Miller, Dee Hamilton, L. Kintz, J. Henry, E. Blust, W. Bowers, C. Alter, B. Hamilton, R. Harwood, E. Hamilton and R. Trautman.

The team for the ladder contest will be B. Hamilton, captain; Dee Hamilton, C. Heuber, R. Harwood, C. Reynolds, W. Bowers, Ed Miller and J. Henry.

In the water battle R. Ormiston, captain; G. Doehla, E. Hamilton and C. Boyce will represent the G-E. George Doehla, an experienced overseas drill master, is drilling the company for its part in the parade, on June 17th.

At the business sessions of the convention F. G. Duryee, the president of the association, will have charge. He will be ably assisted by G. F. Rogge, the Secretary-Treasurer, also of our Works. At this meeting the G-E firemen will be represented by the following men as delegates: Assistant Chief E. A. Sivits, Harry Hire, William Grover, George Harkenrider, William F. Melching, E. A. Barnes, our General Superintendent, and Frank Braun, of our Decatur Works.

The Decatur plant company of twelve men, headed by Assistant Chief E. W. Lankenau and Captain Frank Braun, will attend on the second day of the convention.

About 350 volunteer firemen from Fort Wayne Industries are expected to go to Hartford City for the second day of the convention.

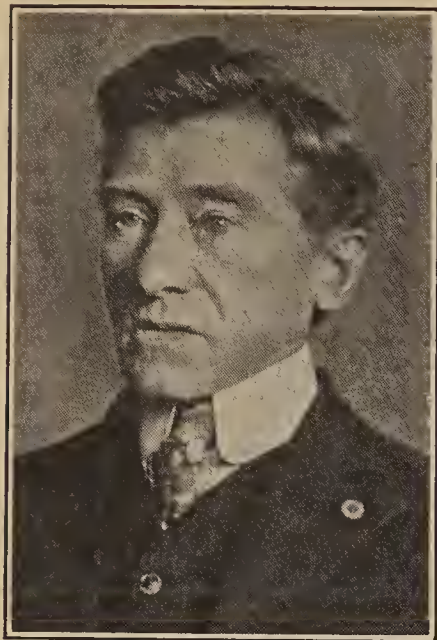


GORDON McDOUGAL
Apprentice Graduate

Two Apprentices Graduate During Month of May

ON May 4th, Gordon McDougal finished the four-year Machinist and Toolmakers' Course in our Apprentice School, having been given a six weeks' credit on the course. Mr. McDougal came to Fort Wayne from Rockwood, Ontario, and now lives at 1420 East Creighton Avenue. He received his earlier training in the schools of Canada, and for doing good work in both class room and shop while on our apprentice course here was awarded a \$100 bonus. He has been assigned to regular work in the Tool and Die Making Department under Foreman Frank Hoffman, Building 26-5.

On May 11th, Joseph Mettler, son of O. J. Mettler, 121 East Woodland Avenue, finished the Machinist and Toolmakers' Course. Mr. Mettler had as preparation for the apprentice work here two years at St. Peter's High School and he was awarded a \$50 bonus on completing the work. He has been assigned to regular work under Frank Hoffman of the Toolmaking Department, Bldg. 26-5. Mr. Mettler is the one hundredth and tenth graduate of our local Works' Apprentice School.



GEORGE BETTS
Received \$50 Award

Better Suggestion Awards Earned During Past Month

The Committee on Suggestions announces the following awards made on suggestions up to May 27, 1925:

Vern Gratts of the Meter Inspection Department, Building 19-5, an award of \$130 on a new style packing box for the phonograph motors made in the Meter Department. The old style packing box had nine pieces of corrugated paper while the new one consists of three. This has materially reduced the cost of the box as well as the labor of packing. A photograph of Mr. Gratts appears above.

George A. Betz, an award of \$50 on a suggestion to install an excelsior shredding machine in the Shipping Department. This machine tears the excelsior apart, which operation was ordinarily done by the packers, consequently there is considerable time saved in packing. Mr. Betz, whose photo appears above, is an employee of the Tool Supply Department, Building 19-3.

Waldron O. Bruner, whose photograph appears above, an award of \$25 on a new method of insulating ATB field coils to replace the collars formerly used. This method produces a good job at a reduced cost. Mr. Bruner is an employee in the Induction Motor Winding Department, Building 19-2.

Miss Mabel Wasson, an award of \$20 on two suggestions to make up special name plates for certain types of I-14 meters and to make special punches for marking name plates on other sizes. Miss Wasson is an employee of the Meter Assembly Department, Building 19-5.

Wm. Schultz, of the Meter Punch Press Department, Building 26-4, an award of \$10 on an improved mechanism for tipping the air valve on punch presses used in that department.

George H. Welker, of the Meter Register Assembly Department, Building 19-5, an award of \$10 on a suggestion to change

the shoulders on M-10 pinion shafts to call for the same construction as is used on I-14 pinion shafts.

Harry Feaser, of the Meter Casting Machining Department, Building 19-4, an award of \$5 on an improved oiling device for the second automatic machine used in machining meter bases.

William McClish, of the Induction Motor Assembly Department, Building 19-1, an award of \$5 on a special split shaft sleeve for assembling ATB rotors having couplings on shaft.

Amel Beck, of the Wire Insulating Department, Building 17-3, an award of \$5 on a suggestion to bend the arm for indexing the traverse on No. 4 American Wire Insulating machines in order to secure a longer traverse.

The following suggestors were given awards of \$5 each on safety suggestions:

I. W. Archer, Building 4-B, on a guard for switch handle on rotary sand blast machines.

James V. Stouder, Building 17-2, on a guard for door in elevator shaft at the north end of Building 17-1.



VERN GRATTS
Received \$130 Award

Leo Walters, Building 4-4, on a safety appliance for a gate in the assembly conveyor on that floor.

Harvey Fisher, Building 26-B, on a guard for the vacuum pump flywheel in Building 7-1.

Emmett Simpson, Transportation Department, installing electric semaphore on Broadway and Factory Street.

Louis Schellhammer, Building 27, additional chain to attach to sling used in lifting corrugated transformer tanks in Building 27.

Ray Dotzer, Building 4-5, on a guard for pipes on floor in aisles of Building 4-5.

Howard Rohr, Building 26-2, Transformer Test Department, on a guard strip for bottom of platform east of Building 26.



WALDRON O. BRUNER
Received \$25 Award

G-E Apprentice Alumni Inspect Industries in South Bend

Tuesday evening, April 21st, the regular quarterly meeting of the association was held in Building 16-2. After the regular meeting a special entertainment was given and three new members were admitted into the association. At this meeting it was decided to make an inspection trip to the South Bend Watch Co. and the Studebaker Motor Car Co., which we did on Thursday, May 21st. Twenty-eight members assembled at the Bus Terminal at 7:30 and the trip was made in the Golden Fawn Parlor Car. We left Fort Wayne at 7:50, arriving at South Bend at 9:30, only one stop being made, which was at Goshen.

After arriving at South Bend the morning was spent going through the South Bend Watch Company. Many things of interest were seen, among them being the making of the world's smallest screws.

Dinner was the next item.

After dinner we visited the Studebaker plant. The trip through Studebaker took three hours and was very interesting, especially the speed of the workers. We next visited St. Mary's of the Lake and Notre Dame and left for home at 5:05, arriving at the terminal at 7:30.

The trip was a great success and proved very educational.

Dr. W. D. Coolidge, assistant director of the Research laboratory of the General Electric Company, has been elected to life membership in the National Academy of Sciences.

Membership in the Academy is limited and election is considered a marked reward for notable scientific achievement. There are but 235 members. Dr. Coolidge was honored in recognition of his development of the x-ray tube.



MEN RETIRED FROM ACTIVE SERVICE

Eight Men Retired From Active Duty

AT the end of work on May 1st, six well-known local employees were relieved from active service in our plant because age or general condition of health indicated that they should not longer attempt to do the day's work which they were accustomed to perform. Five of these men are over seventy years of age, but the other man is only sixty years old. None of these men were eligible for pension, each one lacking either the required years of service or the requisite age; accordingly, each of these men was given special individual consideration and temporary financial payments were arranged in appreciation on the part of the Company for the service these men have rendered the General Electric. The men retired on May 1st, are: A. J. Gensil, Rudolph Trott, Nicholas Kohr, H. F. Schmieders, August Schmidt and William T. Brennan.

Two other well-known men, William Anspach and Martin Ertle, each over seventy years of age, but without the required length of service to make them eligible for a pension, were relieved from active service on November 29, 1924, under similar special financial provisions, made in their behalf.

Mr. Anspach will be remembered as an efficient oven tender in the Armature Department, Bldg. 8-2, under Foreman Norman Prince. Mr. Anspach was engaged February 6, 1907, so had served over seventeen years at the date of his retirement from active service last November. He is seventy-one years of age and lives at 1843 Weisser Park Avenue.

Mr. Ertle was a carpenter working under Foreman Robert Gollmer, Bldg. 10-1, at the time of his retirement, November

29, 1924. Mr. Ertle was a little over seventy years of age and had worked here at the G-E for the past fifteen years. His home is at 336 Arcadia Court.

Mr. Gensil, retired May 1st, was first employed at our plant in 1909 but had a broken service record until his final engagement August 27, 1917, so that his continuous service record is only a little over seven and one-half years. Mr. Gensil celebrated his seventieth birthday on January 13th, and lives at 1442 Winter Street. He was employed here as janitor in the Power House under Foreman E. C. Olds.

Mr. Trott, at the time of his retirement May 1st, was a janitor under the direction of Foreman Henry Stahlhut, of the Mechanical Maintenance Department. He first came as an employee to the Works on July 11, 1907, but after working here only a short time, resigned and was not re-employed until August 1, 1917. His continuous service therefore, was only seven years and eight months. Mr. Trott is seventy-three years of age and lives at 1329 Huestis Avenue.

Mr. Kohr is the oldest of the men recently retired. On June 10th he will celebrate his seventy-fourth birthday. He was employed on September 2, 1910, and therefore had a service record of a little over fourteen and a half years. Many employees will remember him as the elevator operator in Bldg. 2. His home is at 2327 Fox Avenue.

Mr. Schmieders, retired on May 1st, was a tinner working in the Tin Shop Bldg. 19-B, under Foreman S. A. Bickel. Mr. Schmieders had worked here something over ten and one-half years, as he was employed July 21, 1914. The age of Mr. Schmieders was seventy-two years on his last birthday, October 30, 1924. He lives at 711 St. Mary's Avenue.

Mr. Schmidt was an employee of the

Fractional Horsepower Motor Department, Bldg. 4-4, under Foreman C. A. Hartman, at the time of his retirement May 1st. He was born June 19, 1852, and had a continuous service record of fourteen years and ten months at the time of his retirement. Mr. Schmidt's home is at 531 LaSalle Street.

William T. Brennan, who is only sixty years of age, was relieved of active service on May 1st because of ill health. Having not attained the age eligible for a pension, he was granted a disability relief payment in view of his thirty-five and one-half years' of service as a machinist here at our plant. Mr. Brennan worked in the Apparatus Machine Shop under Foreman Charles Brenner and lives at 604 Hendricks Street.

Notice to Employees

June 1, 1925.

I have found it necessary to issue Fort Wayne Works Instructions No. 41 on Dispensary Service. A number of cases have developed where employees claimed to have been hurt just prior to quitting time, assuming, apparently, that the dispensaries and the doctor's services were no longer available. Conditions like this naturally raise a doubt in our minds as to whether these injuries actually occurred during working hours, and without being uncharitable we are constrained to believe many of them do not occur on our premises at all. I am, therefore, appealing to our employees in case of accidents happening during working hours to report same immediately to the foreman or the dispensary, as we must insist that accident history of cuts, abrasions and wounds of even the most trivial nature be reported promptly in justice and fairness not only to our employees but to the Company also. Foremen and supervisory help must aid in this program.

(Signed) E. A. BARNES.
EAB:MO

In the days of candle-light, auction sales after dark were prohibited in one mid-west city to protect buyers from being cheated in the dim light. That ordinance has now been repealed, the point being made that modern electric lights obviate the need of it.

The first arc light ever seen in Detroit caused a startled citizen, who noticed the glow, to turn in an alarm of fire. A few days ago in Chicago, powerful floodlights playing colored light upon banks of live steam, led to a similar deception—and likewise, a clanging of fire gongs.

Business men of Madison, Ind., subscribed with enthusiasm to a white way lighting system for the main street, and when the 52 General Electric Novalux units were installed and the 600 candle-power lamps turned on, they declared it was the best improvement the town had ever seen.

G-E Radio Club Holds Final Meeting of Season

H. J. Marx, Formerly of Radio Digest,
Addresses Club at Final Meeting.

THE G-E Radio Club held its final meeting for the 1924-25 season on the evening of May 14th. This meeting, one of the best of the season, was featured by the address of Harry J. Marx, consulting radio engineer of Chicago, who previously was associated with the Radio Digest, as technical editorial writer. Mr. Marx talked on the subject, "What Is New in Radio," and called his auditors' attention to the Wheatstone bridge method of neutralizing tube capacities in radio frequency tubes, the use of D-Coils in compact super-hetrodyne set construction and indicated that developments might come in super-hetrodyne and super-regenerative circuits.

During the course of his talk Mr. Marx touched on the poor class of radio equipment put out by many manufacturers in the early days of the game, asserting that much of the supplies then on the market were not scientifically designed or constructed in accordance with good operating practice. He pointed out that careful research and developmental work on the part of conscientious manufacturers had shown results in really high grade equipment. He also mentioned certain fallacies that had been made much of in advertising certain radio products, stating that after the public was sold on an idea it was a big task to convince the people they were being misled. Mr. Marx's address was one of the most interesting that has been presented before the club.

There will be no further meetings of the G-E Radio Club until fall, at which time the deferred election of officers will be held, new committees will be appointed and general plans laid for future activities of the club. During the past season in spite of unusually interesting programs arranged by H. H. Clayton, chairman of the program committee, and the efforts of the executive officers, H. M. Stephenson, president, A. R. Coolidge, secretary-treasurer, William Enslen, vice-president, and J. Meriwether, assistant secretary-treasurer, there has not been nearly the attendance at meetings which really was to be expected. It is felt that some constructive work was accomplished during the past season by the interference committee, headed by Vice-President Enslen, and that club members received many worth-while construction tips as a result of attendance at the meetings. The swapping of ideas and discussions as to merits of circuits and pieces of equipment have certainly resulted in extending the knowledge of the members and in improving the home-made receiving sets. As radio is not a finished science, there is still worth-while work ahead meriting the continued activity of the club. With the coming of the fall it is hoped there may be a revival of the spirit which accompanied the original organization of the club two years ago.

Fort Wayne "Jenney" Electric Light Co.

Fort Wayne, Ind., MAR 1 1890, 28

LABOR MEMORANDUM.

For month ending FEB 28 1890

Submitted merely for approval or correction and not as a due bill or time card, and it is not transferable.

M. *Wm. J. Miller*

You are credited with:

12 1/2 hours labor, at 16	24 48
Piece work	
Total	

If not correct please report immediately.

A. J. Selmar

SHOP CLERK.

THE above interesting exhibit is a copy of a "Labor Memorandum" of the early days, handed to the workman preceding pay day so that he would know how much time the Company had credited to him and the amount he would find in his next pay envelope. Notice the date, the name of the Company and the rate then paid for a man considered skilled in his work. The labor memorandum is one belonging to William Miller, now foreman of the Transformer Repair Section, Building 26-2. The rate of pay at least would be one drawback to a return to "The Good Old Days."

G-E Squares' Annual Smoker Given for All College Men

THE G-E Squares Club entertained seventy-five college and university graduates employed at this Works at its regular annual smoker and get-together on Wednesday evening, May 6th, in Building 16-2. Twenty-six colleges and universities of the United States and two of foreign countries were represented at the meeting.

The meeting was opened with an address of welcome by President Thomas, after which he turned the meeting over to Joe Eitman, chairman of the Entertainment Committee.

The program which followed was well balanced and entertaining in every detail. The Squares quartet, composed of Vance, Stinson, Adams and Eitman, sang two numbers that were very heartily received.

P. O. Noble, a Penn State man, who has been with the Company since 1904, and who has just recently been transferred to Fort Wayne from Schenectady to take charge of the New D-C Apparatus Department, gave a very interesting talk on the apparatus that his department is turning out.

The dramatic stars of the organization

put on the next number in the form of a short play entitled, "The Fatal Necklace." The female parts were very ably portrayed by Messrs. Doerr, Coates and Ralston, while the male parts were played by Messrs. Kessler and Hoglund.

W. H. Sunier of the Contract Service Department, brought back fond memories of college days in his speech entitled, "Reminiscences of College Days." He portrayed college life in the classroom and about the campus as it was ten years ago and brought out many amusing incidents that occur in student life and sort of made the "gang" wish that it were back in the midst of it again.

The program was brought to a close by another number from the quartet and two readings by George Stinson.

The assemblage then adjourned to the dining room, where the "eats" committee composed of Baldwin, Cass, Lydick, and Lisman, had everything in readiness. A lunch consisting of sandwiches, pickles, cake, ice cream and coffee was served to the guests who were seated in groups according to the schools they attended.

After the lunch was disposed of, cigars were lighted and the meeting waxed into a contest, between the different schools, for yelling honors.

Purdue, with the largest representation, had a hard time keeping ahead of the rest in the "razz session" that followed the rendering of the regular yells.

The meeting adjourned at 11:30 p. m., everyone voicing his appreciation of the enjoyable evening that had just been spent.

News Items

R. L. Whitaker spent April 9th and 10th visiting home folks in Marshall, Michigan.

Sydney Shaffmaster and Kenneth Huyette have been transferred to the Ice Machine Department, Building 12-3.

R. W. Groot was the guest of P. S. Stough and wife, April 9th and 10th. Bob is selling fractional horsepower motors for the Company and is working out of the Chicago office.

George Stinson, who has been employed as a heating and ventilation engineer in the Building and Maintenance Department for the past two years, left May 23rd to take a position as chemical engineer with the Udylyte Process Co., of Kokomo, Indiana. George will be missed by the organization as he has been quite active along musical and dramatic lines. However, the best wishes of all the members go along with him in his new venture.

Harman Woerner, who has been undergoing a siege of scarlet fever and a tonsil operation at his home in Terre Haute for the past eight weeks, returned to his position on the Student Course May 18th.

Hoyt Cass and Clarence Lydick have been transferred from the Student Course to the Transformer Engineering office in Building 19-2.

Hoyt Cass, of the Transformer Engineering Department, visited friends and relatives in Minneapolis, Minnesota, May 30th and 31st.

An Ideal and An Emblem

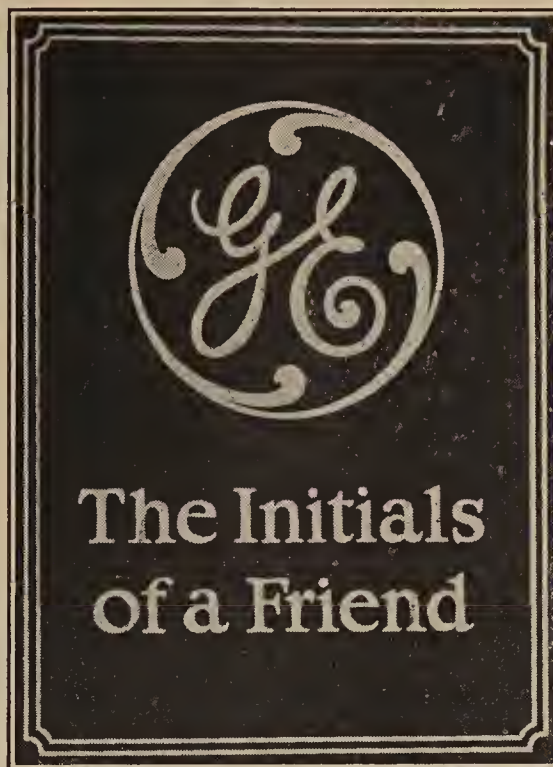
IT is the unusual which attracts attention. However, in our world of high pressure activity and excitement, even extraordinary occurrences are apt to be passed by without realizing their importance. April 3rd several plaques, each bearing the G-E Monogram and "the Initials of a Friend," were hung in advantageous places in the Transformer Department. Not a spectacular event in itself, you say. But wait until you understand the underlying purpose of these ornaments.

Examine these pieces of art, for truly they are that. In themselves distinctive, they are fit symbols of the perfection of workmanship striven for in the General Electric organization. The plates are of heavy metal. The background of the plates is in blue enamel and upon this blue are the G-E Monogram, "The Initials of a Friend" and a two-line outline all in raised frosted silver. The lettering, outlining and monogramming are neatly and deeply etched, making a costly and strikingly ornamental piece of work.

Every successful organization has an ideal toward which it strives. To make this ideal tangible it is given expression in the form of a banner or an emblem. In every case this emblem is something beautiful. Our country has its flag, a school has its pennant and its colors; every organization has its ideal in some form so that always each member may see and feel a goal toward which to work. The G-E Monogram placed on a piece of apparatus signifies as near perfection as is possible with the present knowledge of science and the finest skill in workmanship. The Transformer Department at Fort Wayne is in competition with the departments at Pittsfield and Lynn, to maintain this ideal of perfection of apparatus. It is also in competition with the other departments at Fort Wayne for the best spirit and skill of its members and for the perfection of its product as compared to the other apparatus.

Now there are many types of work to which men devote their entire lives. In the transformer organization every man is a skilled workman who, with his knowledge and skill, can do his work better than any one else not similarly trained. In this department is produced the apparatus which makes possible the lighting of our homes, the operation of our electric railways, and the economic transmission of power over long distances. We are then proud of our product and of the service it renders and that we have a part in its manufacture. Happy is the man whose daily work produces something of benefit to mankind.

It is the ideal embodied in this work which we find symbolized in these new emblems. Beauty is always a stimulus which brings out the best there is in a man. These blue and silver plaques, ornate and beautiful, in the Transformer Department are symbols of that skill and care in workmanship and in the application of knowledge which means the perfection of our products.



A REPRODUCTION OF THE PLAQUES
HUNG IN TRANSFORMER
DEPARTMENT

Among Our Absent Employees

Jacob Pickens, employed in the Punch Press Department, Building 26-1, is now at his home at 531 East Jefferson Street, recovering from an operation for appendicitis. The personnel representative visited him recently and found him greatly improved and hoping to return to work in a short time.

Clara Frede, of the Meter Department, Building 19-5, is confined to her home at 612 West Creighton Avenue, with an infected knee cap, which is causing her a great deal of trouble and will no doubt keep her at home for some time. We are sorry to learn of this trouble, but only hope that it will not be long before Clara will be able to return to work, for her presence is greatly missed among her co-workers.

Geo. Lenz, of the Small Motor Department, Building 4-4, who has been very sick with pneumonia, is reported as being very much improved and able to be about at his home at 1312 South Hanna Street. This is a fine bit of news for all the people who were associated with him have been very much concerned about his condition and are anxiously awaiting his return to work.

Eleanor Battenberg, time clerk in the Meter Department, Building 19-5, is now at the home of her parents at Woodburn, Ind., convalescing from an operation for appendicitis. The latest report from her home is that she is feeling a great deal better but it will be some time before she is strong enough to again take up her duties.

William Maxwell, of the Carpenter Shop, Building 10-1, is now at his home at 1140 Jones Street. Mr. Maxwell was confined to the Lutheran hospital for some time following an operation for blood poisoning in his right arm. For a time

his condition was considered critical but he is now improving and is counting the days until he can be back on the job, in spite of the fact the attending physician tells him it will be at least another month before he can come back to work.

Ira Augusburger, residing at 2508 South Harrison and working in Building 4-3, is reported recovering from a severe case of influenza. We hope by the time the Works News reaches the readers Mr. Augusburger will have returned to work fully recovered.

Geo. Betz, of the Tool Coop in Building 19-4, was a visitor at the Works a few days ago and reports that he is coming along fine following a bad case of iritis. Mr. Betz has been confined to his home for several months and is very anxious to be back among the boys again.

R. Weikart, of the Transformer Department, Building 26-2, is now at his home at 412 Dawson Street, following an operation for appendicitis, which he submitted to recently at the Lutheran hospital. Mr. Weikart was a visitor at the plant a few days ago and said he was feeling fine and expected to return to work in a few weeks.

Ray Neibel, employed in the Tool Making Department, and residing at 311 East Williams Street, will be away from his duties for a period of three months. Mr. Neibel is taking a leave of absence in the hopes of overcoming some trouble which has caused him a great deal of annoyance lately. We all hope that his stay at home will prove beneficial to him, so that when he returns to work again he will have fully recovered.

Jos. Leitz, for a number of years employed in the Shipping Department, Building 6-2, but now on the pension list, is ill at the home of his son on Michigan Avenue. Mr. Leitz was a favorite among his fellow workers and they will all be grieved to learn of his illness.

The Works News takes this means of extending to all the sick folks of the plant best wishes for speedy recoveries.

Short Safety Sermons

Stamp this trade mark on your work, "Built Safely by the Man Who Made it Safe for the Other to Use."

Saving is financial thrift; Safety is man thrift.

Stop and think, but don't stop thinking.

Recklessness is pep without common sense.

Get first aid for the small cut. It prevents blood poisoning.

If you are planning on a June Wedding, drive with both hands.

In case of fire, some people can empty their heads in less than ten seconds.

"Accidents will happen"—as long as no one feels any personal responsibility for preventing them.



FRACTIONAL HORSE POWER PLATERS, BUILDING 3-1

Reading from left to right—Benjamin Putt, Daniel McKenzie, Fred Reed, Philip Zimmerman, Arthur Mennewisch, Marion Patty, Clyde Hemrick, William Walt, George C. Platts (foreman), Carl Clevenger, George Dahle, Joseph Wyss, Frank Hemrick (general foreman).

Fractional H.P. Plating Dept. Placed on Safety Honor Roll

Establish Five-Year Record Without a Losing Time Accident

WHEN the whistle blew at twelve o'clock on Saturday, April 18th, it meant more than quitting time for the Fractional Horsepower Plating Department for it had just completed a five-year run without a losing time accident.

The department turns out all of the plated and polished parts used in the manufacture of fractional horsepower motors at this Works. Its record is unusual when one takes into consideration that it works with all kinds of chemicals, certain of which if handled carelessly, would mean a bad burn and loss of time. Its grinding and polishing wheels are another source of trouble-makers along accident lines but care is exercised in the use of these also, so that it has been able to obtain this enviable record.

Its individual record is the best that has been established at the Fort Wayne Works so far. George Platts, the foreman, has gone twenty-nine years without an accident. The other records are as follows: Clyde Hemrick, fifteen years; George Dahle, fifteen years; Arthur Mennewisch, twelve years; Fred Reed, twelve years; Joseph Wyss, twelve years; Carl Clevenger, eight years; Martin Patty, eight years; Daniel McKenzie, five years, and William Walt, four years.

Their combined records shows a total of 120 man years without an accident or an average of twelve years per man.

Mr. Platts and his men are to be commended on their splendid showing and incidentally have hung up a record that will probably stand for quite a while.

Plating and Test Groups Honored By Special Dinner

THE Fractional Horsepower Motor Plating and Polishing Department and the Apparatus Testing Department were honored with a luncheon given by the Company on Thursday, May 14th, in Building 16-2, in recognition of their unusual safety record. Both of the groups have gone five years without a lost time accident. The General Test Department completed its five-year record on March 4th and the Plating Department on April 18th.

A three-course luncheon was served to the twenty-six members of the two departments and the General Safety Committee, after which short talks were given by several of the employees. Mr. Barnes, acting as toastmaster, gave a short talk in behalf of the management as Mr. Evans was unable to be present.

R. J. Hoffman, supervisor of tests, gave a very interesting talk on "Testing With Caution." He compared the present facilities of testing with the past and brought out the fact that testing is gradually reaching the place where it is not as hazardous as it was several years ago. He also thanked his men for the hearty co-operation that they had given him in helping to maintain a five-year no-accident record.

G. C. Platts', foreman of the Plating Department, speech on "Twenty-nine Years Without An Accident," was intensely interesting, coming from a man who has been employed in the Plating Department for twenty-nine years. He cited the only accident he ever had in his life, and blamed it upon carelessness on his own part. The accident happened while he was employed by a company in Chicago before entering the employ of this Company and was caused by the explosion of

an emery wheel that he had failed to replace the guard on after changing the wheel. Since that time he has been preaching safety to all of his men. He gave all the credit for the department's splendid record to the men working under him and thanked the fellows for the splendid support given in attaining the record.

E.L. Misegades, Safety Engineer, gave a short talk on, "What a Five-Year Record Without a Losing Time Accident Means to Men," after which Mr. Barnes called on the Messrs. Clyde Hemrick, Arthur Mennewisch, Russell Harruff, and W. J. Hockett for brief comments on safety work.

Mr. Barnes closed the meeting by wishing the departments success in accident prevention in the coming year and hoped that he would be able to be present at a similar luncheon next year in celebration of a six-year record without a lost time accident.

Safety News

Old Man Accident rang the bell again during the month of April. Seventeen lost time accidents were recorded for the month, an increase of five over March and an increase of six over February. We are hoping for a better month in May.

One bad eye accident was recorded in April. A milling machine operator used a steel hammer to drive a hard steel cutting tool into the chuck. A small steel fragment chipped off, lodging in the operator's eye. At the present time he has not recovered the sight of the optic and it is doubtful whether he will or not. If he only had used a babbitt hammer that is provided for such operations he would still be enjoying full sight. But it is hard to dispel that old "take a chance" attitude from the minds of many workmen and they have to suffer the results.

Accident records for the first four months of 1925 disclose the following numbers and kinds of accidents occurring at the Fort Wayne and Decatur Works.

Lacerations and Contusion	25
Sprains and Strains	10
Fractures	8
Infections	6
Eyes	5
Miscellaneous	3
Amputations	2
Fatalities	0

Total 59

Sectional classification of the above accidents is as follows:

Contributing	15
Transformer	11
Fractional H.P. Motor	9
Meter	7
Building and Maintenance	7
Decatur	7
Induction Motor	3
Apparatus	0

Total 59

It will be noted that the Apparatus Section who won the keeping fit contest last year are setting a dizzy pace again this year with no lost time accidents for the first four months.

Decatur Works Section

Decatur Suggestion Awards

The committee on suggestions announces the following awards made to Decatur suggestors up to May 27th:

Dwight Kimble, an award of \$10 on a flexible blade for the varnish cambric inserting machine used on armature cores.

Norbert B. Meyer, an award of \$5 on a suggestion to place drip pans under assembly conveyor shafts.

Kleinknight-Schlickman Wedding

Jennie Schlickman and Warren Kleinknight were quietly married on April 22nd at the United Brethren parsonage by Rev. B. F. Dotson. Mrs. Kleinknight for the past three and one-half years has been employed in the service of the General Electric Co. as operator in the Collector Assembly Department. Mr. Kleinknight began his services in 1923 as inspector in the Inspection Department. Friends of the bride and groom join in wishing them a happily married life.

Birthday Surprise

May 18th was a tell-tale of Naomi Debolt's age, when a number of her co-workers and friends gathered together for a little surprise that evening. After a jolly good time and presenting of presents all joined in playing games. The evening was brought to a close with a delicious luncheon.

Among Our Sick Employees

Edwin Adler of the Inspection Department, is confined to his home with the chicken pox.

Thelma Osborn, of the Winding Department, was operated upon May 17th at the Adams County Hospital.

Beulah Beery, of the Winding Department is off duty on account of a sprained wrist.

Leo Ulman, of the Motor Assembly Department, had the misfortune of injuring his elbow, causing a few days' layoff.



G-E MALE GLEE CLUB

Top row—Ralph Menewisch, Ralph Latham, Harry Schnurr, Dave Gehring, W. R. French, George Sullivan, H. L. Bastian.
Second row—Helge Hoglund, E. J. Kimm, Geo. Seibold, B. C. English, O. O. Vaught, F. A. Thompson, H. M. Bennett, George Brown.

Third row—Paul Spiegel, Ralph Dolan, Neal Hench, Paul Vance, Karl Lagerlof, Howard Miller, D. D. Weaver.

Bottom row—George Stimson, L. O. Adams, W. M. Doan, James Workman, James Patch, Elmer Bly, Eric Gawehn. Standing—I. H. Freeman, Director.

An Experiment in Industrial Information

AT LUNCH recently two Schenectady men were talking about the scarcity of information about industry, especially concerning matters of capitalization, etc. As a result of the talk, they agreed to make a test. As an experiment they asked seven Schenectady people this question:

"What percentage do you think the total capitalization of the G-E Company has increased in the last four years?" They explained that "Total Capitalization" was an expression to signify the total amount of notes, bonds, and stocks (at par) on which the G-E Company paid interest or dividends. The period of time

was specified as between January 1, 1921, and January 1, 1925.

Read the amazing answers:

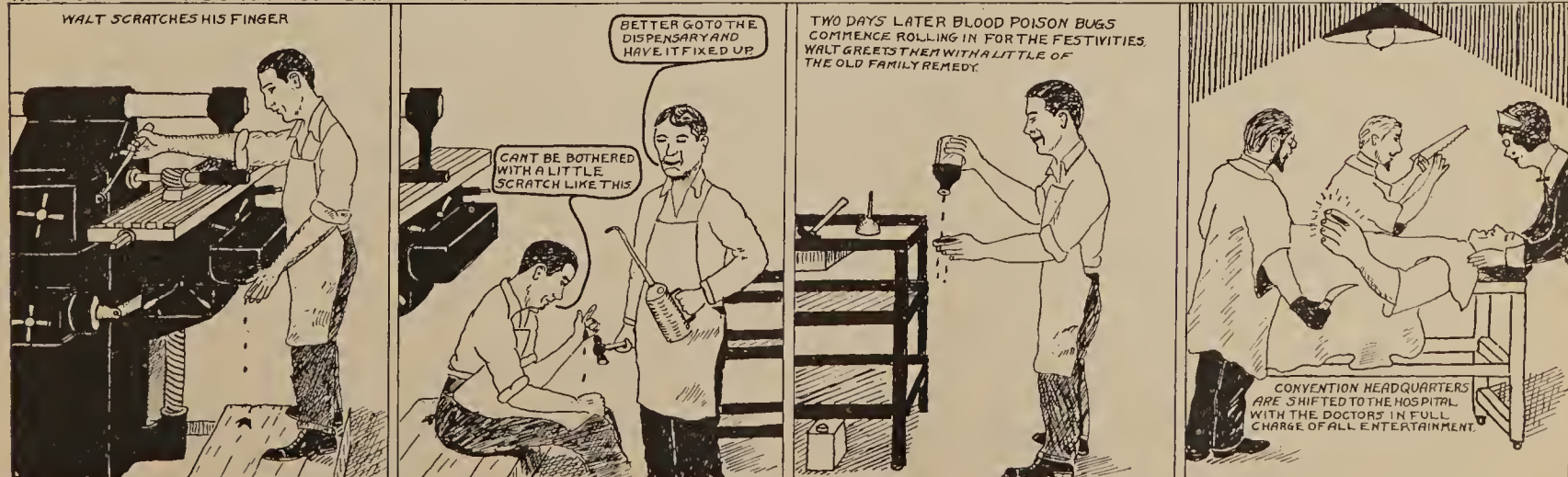
"Fifteen per cent," "25 per cent," "35 per cent," "40 per cent," "50 per cent," "60 per cent," and even "70 per cent."

The correct answer is 2 per cent.

Think of it! The facts are that the stocks, bonds and notes have increased only 2 per cent in these four years—therefore, the error of the individual who guessed 70 per cent was a mere 3,500 per cent out of the way!

The incorrect opinions regarding General Electric finances were made by G-E office employees, including editors and assistant department managers, as well as by two bank employees and a well known business man.

WALT IS HOST TO A BLOOD POISON BUGS CONVENTION



G-E JUNIORS' PAGE

Dear Juniors:—

It certainly was fine to hear from so many of you last month and all but one of you had the answer correct. I think this exceptionally fine since last month's puzzle was a little more difficult than the preceding ones. The correct answer to last month's prize puzzle is "Mother's Day."

I hope you enjoy the puzzles this month. Be sure to look very carefully for the objects in the prize puzzle for some of them are not very easy to find. When you are sure that you have found all of them, write the names of them on a slip of paper and send with your name, address and name of your relative that works at the G-E to the Editor of the G-E Juniors' Page, Building 18-5. Last month some of you made the mistake of sending in only the answers to the "Bird Puzzle." It is always possible to tell which is the prize puzzle for it is always marked "Prize Puzzle."

I suppose that most of you Juniors are looking forward to the closing of school and your summer vacations. (I know I used to). But before school closes most of you will have to pass quite a number of "tests." I hope the "Presidents" puzzle will help you with your history test in that it may bring to your mind the names of some of the presidents that you have almost forgotten.

Some of you Juniors are very observing, Marie Gehle wrote that one of the o's was missing in "bobolink" in last month's bird puzzle. This was a mistake in printing but I am glad that you noticed it and called my attention to it, Marie. Sorry that your answer to the prize puzzle did not get in soon enough for you to win a prize.

One of our little friends, Harry Devaux, of R. R. No. 11, Fort Wayne, has a broken collar bone and was not able to write so his mother wrote for him. I sincerely hope that you will be all O. K. real soon, Harry. It's too bad that your answer was incorrect for I would have liked to send you a prize.

Rachel Pressler, of Columbia City, wanted to know if she would be entitled to a prize since she has a sister working here at the G-E. Yes, Rachel, only you did not answer the prize puzzle. If you have a sister, brother, father or other near relative working here, you are a G-E Junior and entitled to compete for the prizes.

I received two pictures from G-E Juniors last month and you will find these reproduced on this page. Other pictures or short stories will also be greatly appreciated.

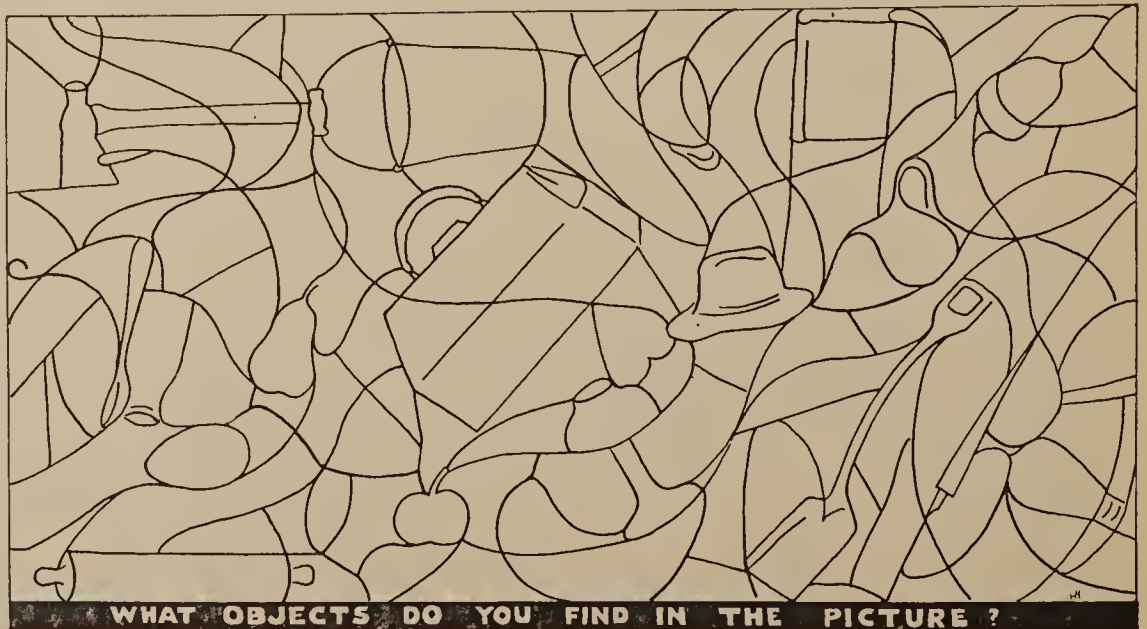
Aren't the pictures nice that we have this month? Paul looks as if he is having "the time of his life" on his rubber-tired scooter, and Martha looks so proud of her big dolls. Now I would like to have some more good pictures for next month's WORKS NEWS.



PAUL HENDRICKS
A Decatur Works Junior

Answers to Last Month's Bird Puzzle

1. noirb—robin
2. rwopras—sparrow
3. kksrally—skylark
4. erwn—wren
5. relloo—oriole
6. wsaowll—swallow
7. dkabribcl—blackbird
8. edekicach—chickadee
9. lbonikbo—bobolink
10. lquia—quail



WHAT OBJECTS DO YOU FIND IN THE PICTURE?

THE PRIZE PUZZLE FOR JUNE

The Prize Winners for Last Month's Prize Puzzle

William O. Doell, 1312 Summit St., Fort Wayne, Ind.

Geraldine Reiber, 918 State Blvd., Fort Wayne, Ind.

Doris Gettys, 1817 Reidmiller Ave., Fort Wayne, Ind.

Edna Schroeder, 808 Huestis Ave., Fort Wayne, Ind.

Melba Bueker, 2511 Oliver St., Fort Wayne, Ind.

Lucille Miller, 226 North 7th St., Decatur, Ind.

Paul Hendricks, 404 Marshall St., Decatur, Ind.

Dollie Chronister, Bobo, Ind.

Other answers came from:

Harold Melchi, 515 Indiana St., Decatur, Ind.

Inez Cook, 225 North 8th St., Decatur, Ind.

Mary Evelyn Archer, Pleasant Mills, Ind.
Martha Belschner, 1022 Swinney Ave., Fort Wayne, Ind.

Marie Gehle, 2511 Weisser Park Ave., Fort Wayne, Ind.

May Arnold, 646 Archer Ave., Fort Wayne, Ind.

Ingria Swanson, 3938 South Wayne Ave., Fort Wayne, Ind.

Mildred Jane Muldoon, 3619 South Harrison Blvd., Fort Wayne, Ind.

Martha Gebert, R. R. No. 11, Fort Wayne, Ind.

Sarah Gebert, R. R. No. 11, Fort Wayne, Ind.

Rachel Pressler, Columbia City, Ind.

Harry Devaux, R. R. No. 11, Fort Wayne, Ind.

Forrest Barnes, 1427 Wall St., Fort Wayne, Ind.

Lillian Scheiman, 441 East Leith St., Fort Wayne, Ind.

Dorothy Jane Holmes, 2119 Hoagland Ave., Fort Wayne, Ind.

Doris Rehm, 1447 Taylor St., Fort Wayne, Ind.

Esther Miller, 3936 Tacoma Ave., Fort Wayne, Ind.

Names of some former presidents of United States:

- | | |
|-------------|---------------|
| 1. ansidom | 7. ingwastohn |
| 2. anjosck | 8. nilncol |
| 3. layrot | 9. mcnilkey |
| 4. masda | 10. sarrihon |
| 5. fargiled | 11. romnoe |
| 6. trang | 12. ringdah |

Girls Department



Lillian Steup Will Attend Summer School at University of Wisconsin

Leaves June 26th for Special Six Weeks' Course

LILLIAN STEUP will take a six weeks' leave of absence from her work on armatures in Building 4-5 to attend a six weeks' course at the University of Wisconsin beginning June 29th. She is planning to return to us again when the course is over, but she is going to live an entirely different life during the time she is away. It is a splendid opportunity for her and there is no doubt that Lillian will make the most of it. The expenses, amounting to approximately \$150, are being paid by a group of women's clubs in this city who are interested in higher education, and who are doing this as a part of their educational program.

Just a word as to what this Summer School is. The official title is "Summer School for Women Workers, University of Wisconsin," to be held this year from June 29th to August 7th. An experiment was tried in 1924 by which eight girls working in Madison factories, offices and homes, were permitted to enter the University's summer session as special students, with the usual entrance requirements waived.

The idea was to open cultural and educational advantages to girls who had never had a chance for them and thus broaden the capabilities of the girls and make them more worth-while both to themselves and their communities. This schooling was not intended to give the girls any technical training nor to help them get more money out of the jobs they held. It was hoped that they might return to their regular work with a wider outlook on life and pass on something of their viewpoints to their co-workers who had not enjoyed a similar experience at a university.

This opportunity is no longer limited to girls living in Madison, Wisconsin, but is open to any industrial girl anywhere. The Fort Wayne girls heard about it at the Y. W. C. A. Industrial Conference at Dewey Lake last summer and as a result two of them have decided to attend, Lillian Steup of Elex, and Hilda Balsiger of Dudlo.

All of the Student-Industrial Scholars—and there will probably be about thirty of them—will live in either a dormitory or a university house and will have opportunity for contact with the regular summer school students.

A special course in economics is being arranged that will be suited to the practical experiences of industrial girls. Spe-



LILLIAN STEUP

cial courses will also be provided in English and in Physical Education.

The girls will be in charge of a supervisor with tutors to assist them in study hours and in group discussions. An effort will be made to have the girls combine what they have learned in the school of life with what they are learning in the school of books. There is no doubt that the course will be very beneficial to the girls.

Susie Wagner and Bessie Smith Are Elex Delegates to Conference

THE two girls pictured above, Susie Wagner and Bessie Smith, are the Elex Club delegates to the Central Industrial Conference at Camp Gray, Saugatuck, Michigan, this year.

These girls have been enthusiastic members of the Elex Club for some time, and the longer they are in the club the more their interest increases. They are going to have a very pleasant two weeks at conference this year and will have many interesting experiences to relate when they get back. Every member of the club should be on hand when they give their report.

Susie has been employed by the Company for five and a half years and has been a member of Elex Club for all but one year of that time. At present she is treasurer of the club. She works in Mr.



MARTHA GEBERT
A Fort Wayne Works Junior

Y. W. C. A. Girls' Baseball League Opens Season June 1st

A girls' baseball league has been organized by the Y. W. C. A. to consist of four teams which will play at Swinney Park each Monday and Wednesday evenings, starting at 6 p. m. The Fort Wayne Paper Box Co., Blue Triangle A. A., Wayne Knitting Mills, and General Electric have already entered teams and the International Business College and C. H. Otto Meyer Co. are attempting to organize teams to augment the league. The G-E girls have been practicing twice a week and Coach "Jim" Daly is working hard to produce a good team for the opening game. The schedule for the next few weeks follows:

- June 3—Wayne Knits vs. General Electric.
- June 8—B. T. A. A. vs. General Electric.
- June 17—General Electric vs. Fort Wayne Paper Box Co.
- June 24—Wayne Knits vs. General Electric.
- June 29—B. T. A. A. vs. General Electric.
- July 6—Fort Wayne Paper Box Co. vs. General Electric.

FOR SALE:—Oliver typewriter ribbons 7/16-inch wide, at a bargain. Call Stationery Dept.

FOR RENT:—Three cottages on East Side of Snow Lake. If interested see George Siler, Transformer Dept., Building 26-3, or call at 1018 Webster St., after 5:00 p. m.

Snyder's department, Building 19-4, and it will be remembered that she had the part of Gwendolyn in the Elex play, "The Hoodoo," recently given.

Bessie has not been here so long—only two years, but it doesn't take long to get acquainted in Elex Club. Bessie is now serving as Elex representative on the Council and in that capacity she gets a very intimate knowledge of club problems. She is employed in Mr. Daniels' department, Building 26-4.

The program at conference is quite varied. Lectures on industrial legislation are followed by the council hour, during which the girls discuss club programs, industrial co-operation, national industrial assembly questions, etc. The council hours are particularly valuable because the girls from all over the central region meet to talk about common club problems, such as programs, educational ventures, money-making affairs, etc.

Assembly is held every day, usually featured by a lecture by some educational leader. Different committees are appointed during the conference to handle the various arrangements. There is also music, and a lot of outdoor recreation, athletics as well as nature study. Every year there is held a big boat regatta at which the different delegations vie with each other to see which can win the prize for the most cleverly decorated boat. Last year the Fort Wayne girls won honorable mention. A Romany day, with bright colored costumes, picnic lunch, and an outdoor lecture, is a feature. One of the most beautiful events is the Japanese lantern chain, held at night, when the three hundred girls wind in and out among the trees with their lighted lanterns.

Two representatives from each of the industrial clubs in this city, together with the Federation president and Miss Scott, will make up the Fort Wayne delegation and these girls have been meeting every Tuesday night to discuss legislations and economics and other general questions that will come up at the conference.

Elex Club Holds Annual Picnic at Lillian Steup's Home

A very lively bunch of girls, numbering between twenty-five and thirty, made up the truck load which went out to Lillian Steup's home on the Sand Point Road, directly after work on May 21st. This was the occasion of the annual weiner bake, for which Lillian always loans us her yard and a roaring big fire. The fire was in readiness when we got there, so it didn't take long to get out the hot dogs and the bean salad, and the bananas, and the coffee, and it took less time to consume them. Appetites were whetted by the truck ride and also by games of baseball, tennis, and leap-frog. After the good things to eat had been tucked away there was a stirring game of dodge ball, followed by some musical endeavors around the camp fire, accompanied by Lillian Steup on the tennis racket and the music was continued until the familiar G-E plant was reached, broken only by the



SUSIE WAGNER AND BESSIE SMITH
Elex Delegates to Industrial Conference

interval occupied in getting into the trucks for the home trip, itself a feat for athletes. It was a very enjoyable party and more of our members should have been out to enjoy it.

Coming Events

June

For June has been planned the weekend at Camp Yarnelle, on the 6th and 7th. These dates have been picked as it is full moon, and some of the girls just love to look at the moon. One never forgets the jolly good times we have at Camp Yarnelle, especially before it is officially open for the summer. The girls all help to get the meals ready and clear them away after the damage has been done, but after that they are free to do as they like—play tennis on the cement tennis court, row, swim, hike, read, think, swing, or roll down the hill if they like. There are no rules that must be observed, only the meal-time rule and who will object to that one?

If there are enough girls who wish to take the bus, arrangements can be made to charter one. So let your membership girl know if you care to go that way. Grab your knickers, your tennis shoes, your racquet, your swimming suit, and your jolliest disposition, and ALL ABOARD FOR CAMP!

July

During July will be held the trip to Stoner's Mill, one of the best of all. Girls, if we could just get you to realize what fun you are bound to have on this picnic, we know you would not miss it. There is a long ride through beautiful country, finally terminating at a lovely spot beside a swift-flowing stream. A bountiful lunch makes you content just to lie on the rich grass and gaze up into the deep blue sky, while all cares flee away. But after a while you begin to get some pep, and then you are ready for anything. There has been some talk of having different groups responsible for stunts, and you will readily appreciate the possibilities in this. Please set aside one Saturday afternoon, as soon as you learn the date, and take this trip with us. It will certainly remain a long-cherished memory.

Armature Winding Dept. Girls Give Dinner Party in Bldg. 17-2

A delightful birthday dinner party was given Friday noon, May 15th, in Building 17-2, in honor of Miss Edna Etzler. At the close of the dinner, Miss Etzler was presented with several beautiful gifts. Those present were the Misses Helen Van Auken, Gladys McMuller, Lillian Reaser, Dewey Wickliffe, Bertha Hickley, Florence Benecke, Viola Haggerty, Alice Stolz, Bertha Krieg, Josephine Fisher and the honor guest.

Personal Notes

Miss Alma Olson, until recently statistician of the Stock Department in Building 6-1, has left the employ of the Company and accepted a position with the North American Life Insurance Company, at Chicago.

Miss Olson came to the General Electric Company in August, 1922, and due to her very pleasing personality made many friends.

Miss Eva Burgan is a new employee in the Material List Department, Building 18-5.

Miss Willa Confer is a new employee in the Drafting Department, Building 18-5.

Miss Clara Klopfenstein is a new employee in the Apparatus Production Department, Building 17-3.

Miss Alice Stolz, clerk for Foreman Charles Brenner, left the employ of the Company May 29th, to take up work in a studio, at Portland, Indiana.

ATHLETICS

G-E A. A.

G-E Leads City Industrial Baseball League

The G-E team, by winning its first three games, is in first place in the City Industrial Baseball League. The teams this year are more evenly matched than ever before and the brand of baseball being played is excellent and all of the games are battles until the last inning. The standing of the league May 25th was as follows:

	Won	Lost	Pct.
General Electric.....	3	0	1.000
Wayne Tank	2	1	.666
Western Gas	1	2	.333
International Motors	1	2	.333
Pennsylvania	1	3	.250

One more game remains to be played in the first round, the G-E team meeting the International Motors in the last game. The schedule of the G-E team for the next few weeks is:

June 6—International Motors at General Electric—2 p. m.
June 13—General Electric at Wayne Tank—2 p. m.
June 20—Western Gas at General Electric—4 p. m.
July 11—General Electric at Pennsylvania—4 p. m.

KEEPING FIT CONTEST

Standing of Major Departments, May 15, 1925

	Per Cent Accidents Allotted	Per Cent Accidents Occurring	Standing in Per Cent
(1) Apparatus	5.44	1.64	69.80
(2) Meter Department	17.98	11.48	36.20
(3) Contributing Departments	19.64	13.12	33.20
(4) Fractional H.P. Motor	19.40	14.75	24.00
(5) Decatur	8.82	11.48	—30.20
(6) Induction Motor	4.57	6.56	—43.50
(7) Transformer	12.02	18.02	—50.00
(8) Building and Maintenance	12.10	22.95	—89.70

Y. M. C. A. Industrial League
Games Real Slugging Matches

Some high scores have been made in the games in the Y. M. C. A. Industrial League. On May 16th a total of 135 runs were scored in five games, the largest score being 25 to 12, between Dudlo and Wabash. Pennsylvania defeated Utensils Company, 25 to 1, on the same day G-E lost its first game of the season to Pennsylvania but have won all of its games since. The schedule for the next few weeks follows:

June 6—G-E at Dudlo at Swinney Park—
2 p. m.
June 13—Wayne Tank at G-E at Weisser Park
—4 p. m.
June 20—Printing Co. at G-E at Lawton Park—
2 p. m.
June 27—Bowser at G-E at Swinney Park—
4 p. m.
July 11—G-E at Wabash at Memorial Park—
2 p. m.

Pennsylvania and Dudlo have both won all of their games and are leading the league. G-E and Tokheim are in second place, each losing one game. The standing of the league May 25th was as follows:

	Won	Lost	Pct.
Dudlo	4	0	1.000
Pennsylvania	4	0	1.000
General Electric	3	1	.750
Tokheim	3	1	.750
Bowser	2	2	.500
Printing Co.	2	2	.500
Knitting Mills	1	3	.250
Wabash	1	3	.250
Wayne Oil	0	4	.000
Utensils Co.	0	4	.000

Kromm Repeats As Winner in
Billiard Tournament in April

The balmy breezes of an abnormal April failed to keep the billiard players off the green felt of the tables in Building 18, and Kromm emerged victor, winning two-thirds of the games played. Wolf was second with a percentage of .571, and Cupp was third with .560. The standing of the players for April was as follows:

Kromm .....	.666	Momper .....	.500
Wolf .....	.571	Hageman .....	.476
Cupp .....	.560	Doan .....	.466
Rittenhouse .....	.533	Snook .....	.461
Newlin .....	.529	Ditton .....	.450
Leonard .....	.516	E'nseidel .....	.350

Volley Ball League Season Closes
With G-E in Third Place

The G-E team in the Y. M. C. A. Volleyball League showed much improvement toward the end of the second half, winning eight games and losing six, which put it in third place. Dudlo won the championship of the second half, losing but one game. Pennsylvania was the winner of the first half. These two teams will meet for the league's championship. A banquet will be held at the Y. M. C. A. in the near future to award the trophies and make plans for next year. The standing of the teams at the end of the second half was as follows:

	Won	Lost	Pct.
Dudlo	12	1	.924
Bowser	10	4	.714
General Electric	8	6	.572
Knitting Mills	5	8	.385
Pennsylvania	5	8	.385
Wayne Tank	0	13	.000

G-E Bowling Tournament
Proves Huge Success

The G-E Bowling Tournament, recently staged at the Pastime Alleys, proved the popularity of the pin game in the local plant without a doubt. About sixty five-men teams, a like number of doubles and seventy-five single entries makes a total of nearly ten per cent of the total employees taking part in the tournament. Some very good scores were rolled, among them being Perry Shober's 254 and Sam Miller's 245. On the five-men event team No. 3, captained by Sam Miller, carried away the honors with a count of 2,377. Team 54, captained by Ed Reese, was second with a count of 2,336, followed by team No. 53, captained by C. Dicke, with 2,296. Twenty prizes were awarded for five-men teams and fourteen prizes were rewards for individual efforts in the five-men events. The five-men teams were composed of one girl and four men as long as the supply of girls lasted.

In the doubles Prince and Zurcher were high with 1,094, followed by Waldo and Yoder with 1,066 and Ehrman and Klingenberg with 1,051. Ten teams were included in the prize list and three individual awards were made for good scores in this event.

The singles were divided into four classes, according to the estimated ability of the bowlers. In the class A event H. Brooks was high with 632, S. Miller was second with 598, A. Knoll was third with 563 and H. Franke was fourth with 562. In the class B event Perry Shober's 632 was high, with H. Hahn second with 577 and E. Zelt third with 558. In the class C bowlers Gardt's 586 was high with Riley's 553 second and McAfee's 506 third. Class D, which consisted of the girl bowlers, produced some very good scores. Luella Kayser's 493 was high, followed by M. Eising's 454 for second and V. Sarrazin's 442 for third.

Notes

Saturday, June 6th will see the G-E and International Motors meet in their first game. The motor truck makers have promised to have five hundred rooters down for this game and have challenged the G-E team to do the same.

"Joe" Walker is smacking the pill at a great rate for the "Y" team. His big bat has been responsible for a couple of circuit blows, one winning a game in the final inning.

John Rockhill made a spectacular catch in left field of the Pennsy game, going way back against the fence to pull down one off Brown's bat. The stocky little outfielder also poled one over the left field fence.

Williams is leading the G-E club in hitting with four safeties out of seven trips to the plate for an average of .571. Bruce Hamilton and "Rip" Watt each have a .500 average and Harwood is batting at a .444 clip. Dee Hamilton is also clouting the pill for a .333 average.

The International Motor team picked on the heavy hitting Western Gas crew to break into the win column. The truck-makers held the gas men to two runs and defeated them 9 to 2.

FOR RENT:—New cottage Glen Eden Springs, Lake James; modern. If interested call G. Oswald, Works Phone 413, Bldg. 26-2.

Watch where you're going—even if you aren't going anywhere.



WAGES

A COOLIE works ten or twelve hours a day. If he carries all he can, he moves *one* ton *one* mile in *one* day. For that, he receives twenty cents. "Cheap labor," you say.

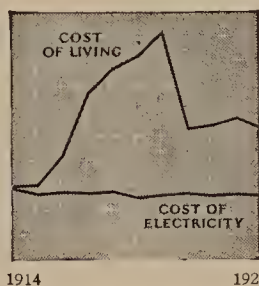
Not cheap labor. Not at all. For in America, we move *one* ton *one* mile for less than *one* cent.

The coolie laborer receives small wages and accomplishes little. The American workman is well paid, and accomplishes much. For he is, in fact, a foreman. Under his direction are powerful workers, electric motors and conveyors, which do

all the heavy labor for him.

America has in its service as much electrical energy as the rest of the world combined. And, through the efficiency of the electric light and power companies, the cost of this electrical energy has been kept amazingly low. (See the little chart.)

Plenty of electricity and cheap electricity—these are two great advantages which America enjoys over the rest of the world. They help to explain why we can have our high wages, our quantity production, and our low costs.



Every year sees a great advance in the use of electricity by railroad men and by the managers of industries, for these men know that electricity cuts costs. Are you taking full advantage of its economies in your home, your office and your shop? Each new discovery of uses for motors and other products made by the General Electric Company means more comfort and more economy for somebody.

GENERAL ELECTRIC

95-32G

This advertisement appears in the Saturday Evening Post, May 23, and in other magazines in June

1st general cover for all who paper
suggested by X-L Hivers in form used on back,



GENERAL ELECTRIC NEWS

FORT WAYNE WORKS

Vol. 9, No. 7



July, 1925

The New Constellation

On the front cover of this *Works News*, Miss Julia Williams, General Electric Company, Schenectady, is shown sewing the forty-eighth star upon the blue field of Old Glory. Nearly a century and a half ago, July 4, 1776, the Thirteen Colonies declared their independence and a new sovereignty asserted its infant strength and began the steady march toward the destiny that had marked it to become the greatest of nations.

In the subsequent year, June 14, 1777, the American Congress in session at Philadelphia established by resolution a National Flag for the United States of America. This resolution was as follows:

Resolved that the flag of the thirteen United States be thirteen stripes, alternate red and white; that the Union be thirteen stars, white in a blue field, representing a new constellation

One hundred and forty-eight years have passed and today, July 4, 1925, there are forty-eight stars in the blue field—stars which symbolize the growth and the strength of our nation. The thirteen stripes remain. These commemorate the original thirteen colonies and the bravery and fortitude which was theirs.

The promise of a new constellation has been met. As the heavens at dusk are made more beautiful as one by one the stars appear, so have the beauty and the significance of the American Flag been enhanced by the addition of each of its new stars. Their history is the history of our nation; each marks a struggle and a success and their union in one field truly represents a new constellation in the full brilliance of its achievement.

FORT WAYNE WORKS NEWS

Vol. 9

JULY, 1925

No. 7

G-E Employees Home Lighting Contest Closes and the Ten Winners Announced

LaVera Vail Wins Fifty Dollar Prize—Two Decatur Girls in List of Prize Winners

THE G-E Employees Home Lighting Contest came to a close June 13th following an extension of time, giving all contestants what was thought to be ample time to finish up their Lighting Primers and turn them in. A goodly number of contestants turned in their work and the work of judging the exhibits began promptly. It was soon evident that to qualify as a winner, a "Primer" had to evidence some thorough work on the part of the contestant. The work was judged on the following points:

- Knowledge of Subject, 60 points.
- Proper Distribution of Light.
- Originality.
- Method of Control.
- Description.
- Ornamentation.

- Thoroughness, 25 points.
- Investigation Report.
- Use of Plug Outlets.

- Neatness, 15 points.
- Neatness of Assembly.
- Neatness of Report.

When the final check was made on the scoring and the sealed envelopes in the

backs of the winning Primers were opened, it was found that Miss LaVera Vail, stenographer, Building 18-3 was the winner of the \$50.00 first prize; Clarence Willard Hale, Tool Maker, Building 4-2, had won the second prize of \$25.00, and Miss Mary E. Savage, stenographer, Building 18-4, had earned the title to the third prize of \$15.00. Then in order came the following winners of the seven \$10.00 prizes:

R. E. Perkins, Traffic Department, Building 6-1.

Miss Hilda Holtje, stenographer, Building 18-5.

Miss Agnes Beckman, Fractional H.P. Motor Department, Building 4-5.

Lisle Hodell, Fractional H.P. Motor Standards, Building 3-3.

Miss Arvilla M. Hendricks, Decatur Works.

Walter P. Knoche, Auto Screw Machine, Building 4-3.

Miss Lina Guth, Decatur Works.

To those who might not be familiar with the contest, we may say that it was along similar lines to the National Home Lighting contest of last fall conducted by

the National Electric Light Association. The same Home Lighting Primers were used, the contestants to indicate the proper lighting of rooms, illustrated in the book. Contestants also were to investigate and report on the lighting of their own homes and the homes of two neighbors, and list the changes they would make in the lighting of their own homes to bring the lighting up to date.

The contest was in charge of the following committee: J. J. Kline, chairman; F. G. Duryee, C. H. Matson, W. J. Hockett and X. J. Divens, Messrs. Kline, Duryee and Matson acting as the judges of the contestants' work.

Eight Students Receive Coffin Fellowships

EIGHT college students have been awarded fellowships for research work in various institutions during the next college year by the Charles A. Coffin Foundation. Three students who were given fellowships by the Foundation last year will have their fellowships continued.

These fellowships, which are in the field of electricity, physics, and physical chemistry, were instituted by the Charles A. Coffin Foundation—a foundation established by the General Electric Company in 1923 in honor of the first president and chairman of the board of directors of the company—to assist men who, without financial assistance, would be unable to devote themselves to research work. Five thousand dollars is devoted to this purpose annually, and the awards are made to graduates of the universities, colleges and technical schools of the United States who have shown by the character of their work, that they could with advantage undertake or continue research work in educational institutions either in this country or abroad.

The fellowships for next year were awarded by a committee consisting of Dr. Farley Osgood, chairman, representing the American Institute of Electrical Engineers, Dr. John C. Merriam, representing the National Academy of Sciences, and Dr. A. A. Potter, representing the Society for the Promotion of Engineering Education. W. W. Trench, secretary of the Foundation, as secretary. The awards were as follows:

Norman C. Beese, to engage in research work at the University of Michigan on vacuum spark spectra of metallic elements, particularly in extreme ultra violet. He is at present studying for a Ph. D. degree at the University of Michigan. His home is in Toledo, Ohio.

Reginald R. Benedict, of Medford, Wis.
(Concluded on Page 5)



WINNERS IN THE HOME LIGHTING CONTEST

Standing—Agnes Beckman, L. D. Hodell, Hilda Hoeltje, R. E. Perkins, Arvilla Hendricks, W. P. Knoche, Lina Guth.
Sitting—LaVera Vail, C. W. Hale, Mary Savage.

G-E Volunteer Firemen Make Fine Showing at Convention

Duryee Re-elected as President and Rogge Continues as Secretary-Treasurer of Association

G-E Band Wins Prize for Largest and Best Band in Parade

AT the twentieth annual convention of the Northern Indiana Industrial and Volunteer Firemen's Association held at Hartford City June 17th and 18th, our G-E Volunteer Firemen again covered themselves with honor in taking the first prize in the hose laying contest besides taking both first prizes for the largest and best volunteer industrial organization in the parade. Besides these honors which were strenuously competed for by our G-E boys, the local Works organization was again honored by their brother firemen with the offices of president and secretary-treasurer of the association for the ensuing year, F. G. Duryee being re-elected to the position as president for the third consecutive term and G. F. Rogge, continuing on his second three-year term as secretary-treasurer of the association.

The G-E Band under the able direction of our band master John L. Verweire, repeated past performances and against a



CHIEF PAUL GRIMME

field of seven able competitors took honors for the best band in the parade.

Chief Paul Grimme marched at the head of forty-five finely uniformed and as finely trained volunteer firemen as ever represented the Fort Wayne Works. Rounds of applause greeted our boys as they passed down

Hartford City's principal street in parade formation. It was in the field events however, that our boys proved the metal of which they are made. In probably the most important if not the most spectacular event, the hose laying contest, our boys tied for the second time their former record of thirty seconds, which by the way is an undisputed record for the conference. The team in this contest was: Phil Weich, captain, C. Huber, C. Reynolds, W. Glenn, G. Doehle, E. Yahne, E. Miller, Dee Hamilton, L. Kintz, J. Henry, E. Blust, W. Bowers, C. Alter, B. Hamilton, R. Harwood, E. Hamilton and R. Trautman. Due to a lack of time, only two industrial and two volunteer companies could take part in the water battle and the G-E boys in the drawing for this event failed to be selected as a competitor else we might be able to give a further interesting report of achievement by our G-E boys. All who witnessed the practice battle between teams representing the sections of our plant east and west of Broadway June 11th, know that our boys can take a lot of water at fire pressure and still stand up to the line.

The convention honored the former chief of our department by the following statement:

"Resolutions in respect of our dead comrade and brother fireman, William Wurtle, chief of the General Electric Volunteer Fire Department.



G-E BAND AND FIREMEN LEADING PARADE AT HARTFORD CITY

"As it has pleased the Almighty Ruler of the Universe to remove from our midst a man respected by all who came in contact with him, we resolve:

"That we bow our heads out of respect to our deceased brother and that a copy of this resolution we make a matter of record."

Signed: L. C. HELM.
GEORGE G. BUTZ.
GROVER REDDING.

Indianapolis has been selected as the convention city for 1926 and great preparation will be made on the parts of all the forty-five fire companies in the association for the convention next year.

Students Receive Coffin Fellowships

(Continued from Page 3)

consin, a senior in the electrical engineering course at the University of Wisconsin. Mr. Benedict will do research work on electric insulation.

Paul L. Betz, of Baltimore, Md., a graduate student at John Hopkins University, who will do research work at this university in dielectric losses in composite insulation.

Lester H. Colbert, of Columbus, Ohio, a senior at Ohio State University in electrical engineering who expects to take up research work on the magnetic properties of iron and its alloys, and x-ray analysis of alloy steels.

King E. Gould, of Stillwater, Oklahoma, a student for a master's degree at Massachusetts Institute of Technology, who plans to devote the coming year to research work on the magnetic behavior of iron.

Harold P. Knauss, of Allentown, Pa., now a graduate student at New York University, who expects to enter the University of Leyden, Holland, where his work will be determined by facilities offered by



A GROUP AT THE FIREMEN'S CONVENTION

the University Laboratory and the researches being conducted there.

Harold N. Rowe, a post-graduate student at Union College in mathematics. Mr. Rowe will enter the University of Chicago and do research work on positive particle and electron emissions phenomena.

Donald F. Weeks, graduate assistant at Amherst University, who plans to do research work on the correlation of magnetic and physical properties of matter.

Fellowships were renewed to:

Ralph D. Bennett, of Williamstown, N. Y., who has been working on a direct test of the quantum theory at the University of Chicago for the past year as a Charles A. Coffin Foundation fellow. Mr. Bennett will continue his work there this summer and will come to Union College as assistant professor of physics in the fall.

George Howard Carragan, of Saratoga Springs, N. Y., who has been studying at the Ryerson Laboratory of Chicago University, doing research work in determining the Seeman effect of the lines of fluorine, who will continue his investigations of this subject at Chicago during the summer. He expects to accept an assistant professorship at Rensselaer Polytechnic in the fall.

Elliot W. Cheney, of Orange, Mass., who was accorded a Charles A. Coffin Foundation Fellowship last year at Princeton, where he did research work on the electron theory. He expects to return to Princeton this fall to do research work in determining the effects of temperature on the index refraction for gases.

Electricity Is Wrongly Blamed for Many Fires

Two-thirds of all fires reported in newspapers as being of "electrical origin" are due to some other causes, according to an

analysis of fires and fire causes just completed by the Society for Electrical Development

Fires reported as "of electrical origin" were found to have been started by many other agencies, all recorded by the fire departments and insurance authorities. Among these were matches, smoking in bed, overheated furnaces, defective flues and lightning. In five per cent of the fires charged to electricity there was no electric wiring on the premises.



F. G. DURYEE
President of Firemen's Association



G. F. ROGGE
Secy.-Treas. of Firemen's Association

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
E. L. Misegades _____ Safety
Helen Fuhrman _____ Girls' Department
Wade Reed _____ (G-E A. A.) Athletics
Verena Miller _____ Decatur Works

REPORTORIAL STAFF

H. A. Wilding _____ Electro-Technic Club
Alma Olson _____ Elex Club
Carrol Blincoe _____ Apprentice Association
Fred Duryee _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
John L. Verweire _____ Band
J. E. Hall _____ Quarter Century Club
Edward Witte _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
E. L. Misegades _____ G-E Squares
Irene Fox _____ Absent Employees

Vol. 9 JULY, 1925 No. 7

THE arrival of July Fourth brings to our mind the realization that it was through the splendid co-operation and unity of purpose of our forefathers we are able to live today in this great land of plenty, free from tyranny.

This same co-operation and unity of purpose carried us safely through the war of 1812, the Civil war, the Spanish American war, and finally the Great war, with its never before heard of war machines, poisonous gases, and aeroplanes, and must see us through the problems of peace that are following in the wake of the war.

The personal safety as well as the safety of the nation depends upon the united action of the people as a whole and that same united action is required to make safety work a success.

Much has been accomplished in the prevention of accidents as shown by the gradual reduction in numbers of serious accidents each year. However, figures compiled by the National Safety Council recently, show that unnecessary accidents, that is, accidents due to carelessness, are costing the United States \$2,250,000,000 annually. Other statistics prepared by the Council show that some person is accidentally killed every five minutes and that 1,389 are injured every hour; also that more people are kept from work by accidental injuries than are idle from lack of employment.

Industries today have mechanical safeguards, safety committees, safety bulletins, safety meetings, and safety engineers, but unless the employees that are producing the product are safe workers, no plant can make any marked reduction in accidents. dents.

So as we enter this last six months of 1925 let's get behind the safety workers of this Works and unite with them in every safety drive they endeavor to put across.

General Electric Declares Dividends

Officers of the General Electric Company were re-elected and regular dividends of \$2.00 per share and \$0.15 per share on special stock were declared at a meeting of the board of directors of the General Electric Company, held at the National Lamp Works of the company in Cleveland on May 22d.

In accordance with the policy established by the board of directors of visiting the various plants of the company, the National Lamp Works were inspected after the regular meeting.

Owen D. Young Honored By Three Colleges

Owen D. Young, chairman of the Board of Directors of the General Electric Company, has been honored by three colleges with honorary degrees this month. In each case the doctor of laws was conferred, the colleges honoring him being Yale, Columbia and Colgate.

Last year Mr. Young received honorary degrees from Harvard, Tufts and Dartmouth and the year preceding received the LL.D. from Union and St. Lawrence, the latter his alma mater.

Meeting of Board of Directors of G-E Co. Held at Nela Park

The Board of Directors of the General Electric Company visited the National Lamp Works of the General Electric Company, Nela Park on Friday, May 22d.

The directors have established the policy of visiting the various properties of the company in order to better acquaint themselves with the many branches of the organization.

After the regular board meeting an inspection trip was made of Nela Park.

The principal business of the meeting was the election of officers and the declaration of the regular quarterly dividend of \$2.00 on the common stock and of 15 cents on the special stock.

The following members attended: Owen D. Young, chairman of board; Gerard Swope, president; F. S. Terry, vice-president, General Electric Company; M. F. Westover, secretary; Gordon Abbott, chairman of the Old Colony Trust Company; Oliver Ames, George F. Baker, Jr., vice-chairman of the First National Bank of New York; Anson W. Burchard, vice-chairman, General Electric Company; George B. Gardner, Francis L. Higginson, Jr., of Lee Higginson & Company; Jesse R. Lovejoy, vice-president, General Electric Company; George W. Morrison, vice-president, General Electric Company; Dwight W. Morrow, partner in J. P. Morgan & Company; Seward Prosser, chairman Bankers Trust Company; Philip Stockton, president of the Old Colony Trust Company; Bernard E. Sunny, chairman, Illinois Bell Telephone Company; Burton G. Tremaine.

Wabash to Celebrate Advent of Lighting

**First City in World to Commemorate
Illumination by Electricity
in 1880**

A PROJECT to erect suitable monument to commemorate the fact that Wabash, Indiana, was the first city in the world to be commercially lighted by electricity has been launched by the W. A. A. Gridiron Club, assisted by Dr. P. G. Moore, president of the Wabash County Historical Society. Announcement has been made of the appointment of a committee, by Harry H. Hutchens, chairman of the Gridiron Club, which will consist of Dr. Moore, J. D. Conner, Jr., R. W. Klare and Homer Showalter.

The committee has already found the original lamp used in the tower of the Wabash county courthouse on March 30, 1880. The lamp has been located for several weeks and efforts will be launched at once to bring it to its rightful place and to have it displayed on the courthouse lawn.

The kind of monument will be decided by the committee, Mr. Hutchens announced, but it is believed that it will be a kind that will provide for the lamp to be lighted again. The Gridiron Club will donate the first sum for the memorial and will ask other contributions from civic organizations in Wabash.

General Safety Committee Holds Meeting

A dinner meeting was held for the general and permanent Safety Committee, June 1st, in Building 16-2 at 5:00 o'clock. A delicious three-course luncheon was served after which several speeches were given by local executives and foremen. W. J. Hockett, chairman of the Safety Committee, presided. The first speaker, R. O. Orff, foreman of the Receiving Department, gave a very interesting talk on "Picking Out the Dangerous Places." He stressed the point that safety and thoughtfulness were synonymous and that the person that don't think while he is on the job, is our greatest hazard.

Bert Gage, assistant superintendent and safety representative at the Decatur Works, spoke briefly on the progress of safety work at the Decatur plant. The subject of his talk was "Production Versus Safety."

"Always After 'Em," was the subject of Hans Anderson's speech. Hans is foreman of the Induction Motor and A. T. B. Machine Room, Building 19-1. The subject of his speech is indicative of his actions as he is always after his men to practice safety. His talk covered the methods employed by him to promote safety in his department.

Some very interesting statistics on safety progress was given by J. H. Evans, acting manager, in his talk entitled "This is a Safe Place to Work." He revealed the fact that Fort Wayne was standing at the top of the larger plants in accident pre-

vention work and that our lost time accidents for the first five months of 1925 had been reduced 33.7% over a similar period last year.

E. A. Barnes' speech on a "Mark to Shoot At," was deserving of much attention and when he had finished, a feeling existed that safety work was indeed a large factor in an industrial enterprise of this nature.

A very interesting four-reel movie, "When a Man's a Miner," typifying safety work and accident prevention in the mining industry concluded the program.

The meeting was attended by thirty-eight of the committee.

Two Quarter-Century Club Men Die During Month

The many friends of Joseph P. Leitz, a former-employee of the Store Room, Building 6, who was retired on pension December 1, 1924, were grieved to hear of his death June 19th. Although over seventy-eight years of age at the time of his retirement Mr. Leitz was able to do what would be a full day's work for a much younger man and there are few employees too, who could boast a steadier attendance at their work, for in the thirty years Mr.

Leitz served the G-E practically his only lost time was that of three months due to injuries from an accident.

For five years past Mr. Leitz had been a member of the G-E Quarter Century Club. He is the father of Edward H. Leitz of the Transformer Department, Building 26, and the grandfather of Ray Leitz of the Transformer Cost Section, Building 19-2. The funeral was held at Emmaus Church in the afternoon, Sunday, June 21st, the Quarter Century Club attending in a body.

Frank Fisher, also a Quarter Century Club member, died at the Lutheran Hospital June 23d, at the age of sixty-four years. Mr. Fisher was an employee of the Blacksmith Shop, Building 27, having worked at this trade here at the G-E since he was first engaged over thirty-six years ago. About a week previous to his death Mr. Fisher was present as usual at his place in the shop, and on reporting as ill was sent to his home and a physician called. His death in less than a week therefore came as a shock to his many friends and associates here at the G-E. The funeral was held from the home at 703 Home Avenue, at 2:00 p. m., June 25th, a committee of Quarter Century Club members being in attendance.

Fourth Unit for Crawford Avenue Station is Ordered

A 77,000-kw. steam turbine is to be added to the new Crawford Avenue generating station of the Commonwealth Edison Company, Chicago, the formal opening of which was held Tuesday, May 26th, when 160,000 kw. in steam turbines were placed in service. The equipment already in use includes one 60,000-kw. turbine and two 50,000-kw. turbines, each of different manufacture and distinct type.

The 77,000-kw. unit to be added to the station will be made by the General Electric Company, which supplied the 60,000-kw. unit, in operation since last year. It will be a cross compound unit, consisting of a 28,250-kw., .85 P.F., generator and 2,000-kw., 2,300-v., 60-cycle, service generator in the high pressure element, and a 46,750-kw., .85 P.F. generator and direct-connected exciter in the low pressure element.

The high pressure unit will operate at 1,800 r. p. m., and will take steam at 550 lbs. gauge and 750° F. total temperature. It will exhaust at 95 lbs. gauge to the low pressure element, which will operate at 1,200 r. p. m. As in the case of the previously installed turbine, twin vertical condensers will be used.



DIRECTORS OF GENERAL ELECTRIC COMPANY AT SALES BUILDING, NELA PARK, CLEVELAND

Left to right—Front row: Philip Stockton, George P. Gardner, Gerard Swope, Dwight W. Morrow, Burton G. Tremaine, F. S. Terry, Jesse R. Lovejoy.
Middle row: Anson W. Burchard, Bernard E. Sunny, Owen D. Young, Seward Prosser, Gordon Abbott, Parmentier.
Back row: Oliver Ames, George F. Morrison, Francis L. Higginson, Jr., George F. Baker, Jr.

G-E Supercharger on Winning Car at Indianapolis

The Duesenberg Special, driven by Peter De Paolo, winner of the 500-mile automobile classic at Indianapolis on Memorial Day, was equipped with a geared supercharger, especially designed in the Thomson research laboratory of the General Electric Company at its Lynn works. The particular function of the device is to add power to the engine when operating at high speed by forcing oxygen into the cylinders at greater than normal pressure.

The supercharger, a sort of compressor attached to the side of the engine between the carburetor and intake manifold, has three distinct advantages in racing cars.

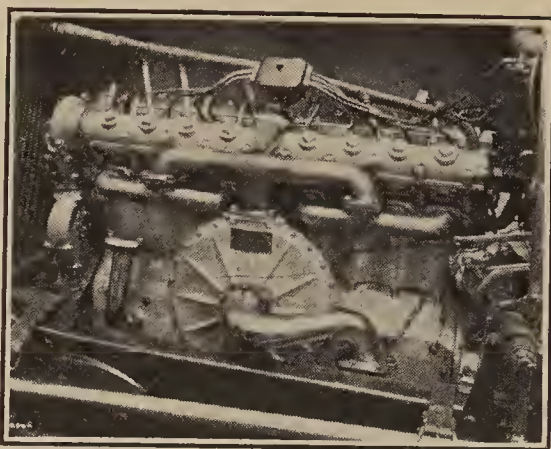
The first is that air is fed into the cylinders at ten pounds greater than normal atmosphere.

The second is that the increased pressure in the cylinders at the beginning of the suction stroke and the end of the exhaust stroke scavenges the burnt gas out of the clearance space during the brief period of time when both intake and exhaust valves are open.

The third is that the passage of the gasoline at high speed through the veins of the supercharger thoroughly atomizes it and supplies a much better mixture than can be gotten otherwise.

A majority of the cars in the race were equipped with superchargers of other makes but none supplied greater than five pounds above atmospheric pressure, or but one-half that of the G-E device.

"In all automobiles there is a great difficulty in getting the cylinders supplied with a uniform mixture," according to Dr. S. A. Moss, of the Thomson laboratory who has followed supercharger development for many years and directed the in-



G-E SUPERCHARGER ON DUESENBERG ENGINE OF DEPAOLO'S CAR

stallation in the Duesenberg car. "In order to insure this on a racing car it has been customary to use eight carburetors, one for each cylinder. With the supercharger only one carburetor is necessary.

"Although the G-E supercharger gives a pressure of ten pounds above atmosphere in the intake manifold, there really is a difference of eleven pounds per square inch over racing cars without superchargers as such cars at high speed take in air at about one pound below atmosphere.

"The Duesenberg engine, at high speed, makes about 5,400 revolutions per minute. This is geared to the supercharger so that the speed of its seven and one-half compressor wheel or impeller operates at about 30,000 revolutions each minute. This means that any given point on the outer rim of the impeller will travel at the tremendous speed of 8,979 feet per second or 660 miles an hour, approximately equal to the velocity of a rifle bullet.

"We often refer to our superchargers as 'Tamed Tornadoes,'" says Dr. Moss. "There are certain laws of fluid motion

and vortex action which under some circumstances result in the well known 'Wild Tornadoes.' We have made investigations of these laws and are able to utilize exactly the same effects which make a 'Wild Tornado' in such a way as to give us a pressure rise due to vortex action which is just what we want, so that the tornado or vortices go through our machine and act in just the way which we want. In other words we tame them and put them to efficient and practical use."

June Was Quiet Month for Apprentice Alumni Association

The month of June was a quiet one as far as the apprentice alumni association was concerned, nothing of interest having taken place in our midst.

Beginning with July there will be some kind of entertainment every month for the remainder of the year.

The regular quarterly business meeting and banquet will be held on Tuesday evening, July 21st, at 6:30 p. m., in Building 16-2. At this meeting we will have a speaker who is known throughout the country, the committee in charge refusing to make public his name until a later date. We will also have some interesting entertainment, besides the initiation of five new members, which might also be classed as entertainment due to the fact that our members get quite a kick out of watching the younger fellows ride the goat. Speaking of the goat reminds us that any organization wishing to use our animal for their initiatory work, may do so by getting permission from Ray Kierspe, R. G. G. (Royal Guardian of the Goat).

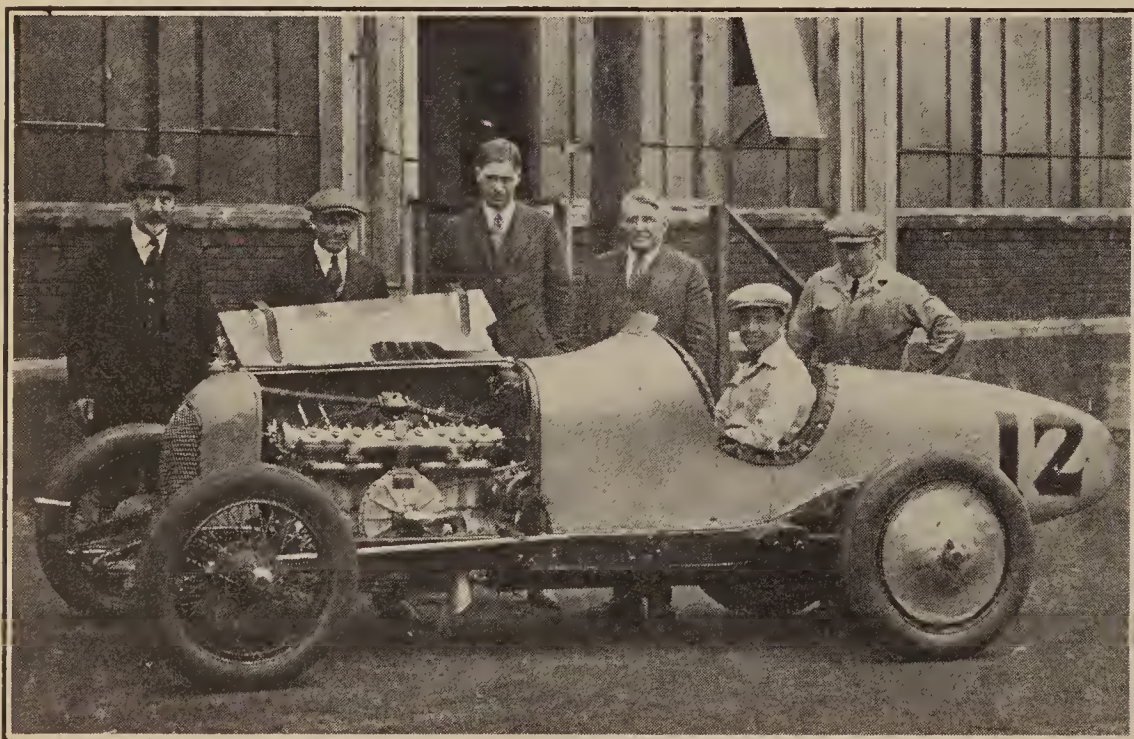
It is the hope of the executive committee that the entire membership turn out for this meeting as it gives promise of being a big affair, and many things of importance will come up for discussion which must be decided on at this meeting.

Every member of the Alumni Association is hereby given due notice to get the old arm limbered up for the coming horseshoe tournament, which will be held at the same time as our annual picnic, which will be some time during the summer, the exact date has not been set as yet.

John Rosencrance hereby wishes to welcome any or all the alumni members who would care to call on him. He can be found at any time at his barbecue stand on the Bluffton road. Norbert Ehinger says his insurance company will take care of any damage incurred while eating, or from eating any sandwiches which may be purchased from our brother John, and Al Dickmeyer says he can furnish the instruments for playing the funeral dirge, if the worst should happen. We do not think that this would happen as we have been there and so far have had no evil effects. In fact we think the sandwiches are pretty good.

Here's Something Interesting

4,076 people died last year of gas.
39 inhaled it.
37 put a lighted match to it.
4,000 stepped on it.



THE CAR WHICH WON THE INDIANAPOLIS SPEED CLASSIC

Left to right: Dr. S. A. Moss, General Electric Company, who developed the supercharger; August Duesenberg; R. W. Mercer, General Electric Company; Fred S. Duesenberg; James Kemp, Chief Mechanician, and Peter DePaolo at the wheel. The supercharger may be plainly seen.



GLENN W. KLINE
Recent Apprentice Graduate



MARCELLUS MAGERS
Recent Apprentice Graduate



LOUIS A. GOCKE
Winner of \$40 Suggestion Award

Two Additional Graduates and Thirteen New Students in School

Two apprentices have completed their course here at the G-E since our last month's report, and in this same period, thirteen young men started work on the apprentice course here.

Glenn William Kline and Marcellus Magers are the recent graduates. Mr. Kline completed his work in the Machinist and Tool Makers course, May 25th, and received the \$100.00 bonus with his diploma. Mr. Magers completed the Electrical Tester Course June 8th, and received with his diploma a \$75.00 bonus, this being the maximum bonus for this course which requires only three years' work on the part of the student. Both of these young men are Fort Wayne boys, Kline being a former student of Fort Wayne Central High School and Magers a graduate of Fort Wayne Central Catholic High School. Mr. Kline is now working for E. J. Schafenacker in Special Machine Department, Building 26-5 and Mr. Magers for B. C. Evans in the Tool Design, Building 17-3.

Thirteen new students have enrolled in the apprentice school during the past month and of these seven have chosen the four year Machinist and Tool Makers Course. The seven men are: Everett Davy of Portland, Indiana; Herman Lannert of Fort Wayne; Howard Noyer of Arcola; Albert Olson of Hicksville, Ohio; Frederick Gossett of Mathews, Indiana; Erwin Aumann of Fort Wayne, and Delmas Pillers of Arcola. Messrs. Noyer, Gossett and Pillers graduated this year from the high schools in their respective home towns, and all of the others have had some high school training before taking up work on the Apprentice Course. Mr. Aumann is the son of foreman Henry Aumann of the Transformer Experimental Department, Building 26-2.

The five young men who have just taken up work on the three year Draftsman Course are all high school graduates. They are Duncan White of Fort Wayne Central High; Dean Rinehart of Fort Wayne Central High; Chester Engleman of Fort

Wayne Central High; Lloyd Skinner of Payne (Ohio) High School, and Paulding College, and Blair Bushing of Fort Wayne Central High.

George Fann, the only new apprentice taking the Electrical Tester Course, is a graduate of the Shelbyville (Indiana) High School, class of 1924.

From the above lists of new apprentices it is evident that the opportunities our apprentice school offers to young men is becoming known at some distance from Fort Wayne and it is possible that there will soon be strong competition for places in the student body of our school.

One Way Traffic

There is only one road to the town of "Success,"

The name of the road is "Work"

It has room for only honest guests,
Traffic's blocked to those that shirk.

The road is open all hours of the day,
It heeds neither time nor date.

And now is the time to start on your way,
For tomorrow will be too late.

Nearly all the way is an uphill road,
It will seem like a tough old fight,
But once on your way just bear up your load

And keep going with all your might.

You will pass through many towns each day,

Such as Failure, Gloom and Despair,

At each of these stations just keep on your way,

For work does not tarry there.

After you have entered the town of "Success,"

Though your load may have been hard to bear,

Once inside you will find both comfort and rest,

Just be thankful you started for there.

S. Boatman, Bldg. 19-5.

Awards on Suggestions

The committee on Suggestions announces the following awards made on suggestions up to June 24th:

Louis A. Gocke, an award of \$40.00 on a new style cross connecting line for all two wire meters. This device eliminates one connecting clip on a potential lead of the meter element. Mr. Gocke is an employee in the Meter Assembly Department, Building 19-5.

Mrs. Norma Taylor, of the Meter Winding Department, Building 19-4, an award of \$10.00 on a method of soldering potential leads on D-7WT meter elements. By reversing the position of the element, as Mrs. Taylor suggested, some time was saved in the soldering operation.

G. R. Doll of the Carpenter Shop, Building 10-1, an award of \$10.00 on a suggestion to use three saws when cutting O. M. T. wedges so that two wedges would be cut at one time, thus saving time in this operation.

Adolph Sommer, Building 6-2, an award of \$10.00 on a device for holding banding wire used in the shipping department. Mr. Sommer constructed a very ingenious device which holds the banding strips on a rack until it is required.

The following persons were given awards of \$5.00 each on the suggestions listed below:

Keith Wolfe, Building 20-2, on a hand rail for the stairway in the south end of Building 20.

Gordon Diver, Building 26-5, Tool Making Department, on a guard for the spindle belt on a drill press on that floor.

C. F. Nail, Mechanical Maintenance Department, Building 19-B, on an improved device for removing spreader blocks from concrete forms.

Hugo Klient, Mechanical Maintenance Department, Building 19-B, on a guard for a rheostat on a shaper located in Building 26-5.

Miss Iva Stephan, Meter Winding Department, on a change in the board used to solder potential leads on I-14 elements in the above department.

Leo Walters, Fr. H. P. Motor Assembly, Building 4-4, on a change in the thickness of the leather used in the couplings of small motor generator sets.

Among Our Absent Employees

Pete Neuman of the Small Motor Department, Building 4-5 and his wife left June 22, on a three months motor trip to California and other points of interest. While in the west they will spend some time with their daughter who resides in Denver, Colorado.

Another G-E employee who is spending some time enjoying the golden west is Rosina Brust of the Meter Testing Department. Rosina is now located in Oakland, California, and writes that she is feeling fine and expects to return to work about September 1st.

Mrs. Louise Foltz of the Standardizing Department left June 24th, for an extended visit with her sister in Portland, Oregon. Louise has been in poor health for some time and is in hope that the change of climate will be beneficial to her. We all wish her the best of luck and hope that when she returns to work in the fall she will have fully recovered.

Chloey Hamilton, an inspector in the Meter Department, Building 26-4, is now at her home at 924 Home Avenue, recovering from an operation for appendicitis. Chloey's friends could scarcely believe it when they heard that she was ill, as she has always been so active in affairs about the plant. All are hoping that her recovery may be rapid and that she may soon be back with us.

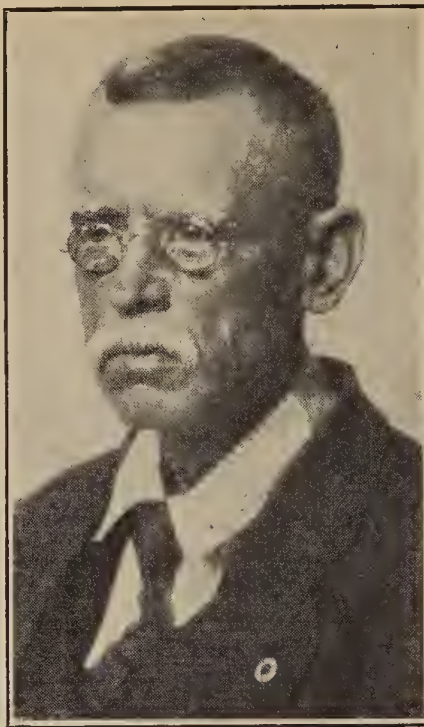
Alta Bause of the Wire and Insulation Department, Building 17-3, is a patient at the St. Joseph Hospital, suffering from rheumatism. The personnel representative visited her recently and found her greatly improved and anxiously awaiting the time when she can leave the hospital and return to work.

Fontiene Morehouse, employed in the Meter Department, Building 26-4, has been absent from work for several weeks because of the serious illness of her mother. Fontiene reports that her mother's condition is somewhat improved and she expects to return to work in a short time.

Loraine Smith of the Meter Department, Building 19-4, is now at her home, 1154 Harmar Street, recovering from an operation for appendicitis. Loraine reports that she is feeling fine and is thinking seriously of returning to work about the first of July.

Margaret Schwartz, employed in the Small Motor Department, and residing at 2214 North Clinton Street, has been confined to her home for the past two months suffering from gall trouble. Margaret was quite discouraged for some time for she saw very little change in her condition but she now sees a marked improvement and feels sure it will be unnecessary to go to the hospital for an operation. We are all hoping that she will be able to return to work in a short time.

Friends of Pauline Ridenour will be pleased to learn that she is recovering even



SAMUEL PARKER
Retired on Pension May 30

though slowly from an operation for appendicitis. Pauline's condition was critical for some time and all her friends were very much concerned about her. She reports that she expects to remain at home all summer so that when she returns to work in the fall she will be quite able to take up her duties as telephone operator.

Samuel Parker, Watchman Retires From Active Service

Samuel Parker, for years one of the watchmen of our plant and especially well known to all employees who used the main gate, was retired on pension May 30th. Mr. Parker was born February 8, 1860, and was employed here May 6, 1889. This gave Mr. Parker a service record of a little over thirty-six years.

On first coming to the G-E Mr. Parker worked for Foreman Link Johnson, who some years ago had charge of the men who did the odd jobs about the yards. After a number of years in this work Mr. Parker was transferred to the watchman service, where he continued until he retired.

Mr. Parker's home is at 1903 Pine Street, which is just across the Wabash tracks from the G-E. No doubt he will take occasion to stroll back frequently and keep in touch with his friends and the activities of our plant.

Killed while trying to beat the train across is not accident—it is suicide.

A bed at home is worth two in a hospital.

A sign over a garage in a small western town reads, "Use genuine parts. No substitutes are as good. Ask the *man with the wooden leg*. He knows."

No safety device has been invented to take the place of the one just above the ears.

On each hand are five reasons why you should be careful of your fingers.

R. H. Chadwick Ad- dresses G-E Squares

The regular monthly meeting of the G-E Squares was held Tuesday, June 2d, in Building 16-2 at 7:30 o'clock.

R. H. Chadwick of the Transformer Engineering Department gave a very interesting and unusual talk on "The Field of the Engineer." He stressed the point that the engineer should take part in community and civic activities since his education was of such a nature that he was trained in dealing with facts and that these activities needed this type of individuals to carry on the work.

The Squares are indeed fortunate to have such men available for talks on various subjects and are unanimous in expressing their appreciation to the several speakers that they have had the opportunity of hearing at their meetings the past year.

The regular business session was held after Mr. Chadwick's talk, at which time plans were discussed for the entertainment of the new men who are enrolled for the student course. Preliminary arrangements are being made for a weekend party at one of the lakes.

The meeting adjourned at 9:00 p. m. There were about twenty members in attendance.

The single men's section of the club lost another member via the marriage route when Curtis Baldwin was married to Miss Helen Robinson on June 25th. Mrs. Baldwin, the daughter of Mr. and Mrs. J. H. Robinson, of Archer Avenue, graduated from the Central High School with the class of 1924. She attended the State Normal College at Muncie, where she was a member of the Sigma Alpha Sigma sorority. Mr. Baldwin attended Purdue University two years and finished his work in electrical engineering at Montana State College with the class of 1924. He is a member of the Square and Compass inter-collegiate Masonic fraternity, and Phi Kappa Phi National honorary fraternity.

They left immediately after the ceremony on an extended honeymoon trip over the western states, carrying with them the best wishes of the Squares organization.

J. F. Eitman of the Transformer Engineering Department, was in Schenectady on Company business during the month of June.

C. J. Lydick and E. C. Thompson took advantage of excursion rates and spent Sunday, June 14th, in Detroit.

O. D. Ferguson, an Ohio State Graduate of class of 1923, is a new employee in the Civil Engineering Department.

David Kessler has resigned from the student course to take a position with S. F. Bowser and Company in their sales organization.

Erwin Thompson attended the auto races at Indianapolis on Decoration Day.

The latest inventory of Squares' supply of gasoline buggies shows Frank Lisman with a Ford coupe, Paul Vance with a

Maxwell roadster, and Curtis Baldwin with a Buick roadster.

Bow Whitaker spent the week of June 15th attending the commencement exercises of Michigan University at Ann Arbor, and visiting relatives in Chicago.

E. W. Doerr and C. E. Walters have been transferred from the student course to the Fractional Horse Power Motor Commercial Department.

Lyndon Adams was away from his desk in the Transformer Engineering Office June 9th and 10th, attending the commencement exercises at Depauw University, Greencastle, Indiana, his brother Glenn being a member of the graduating class.

W. J. Morrill spent the week of June 15th at Schenectady and Lynn on Company business.

Forty Things That Spell Encouragement

Everybody, right now, is interested in getting a bird's eye view of just what the general business situation is and what the conditions are that are affecting the affairs of the country in a favorable way. A valuable and very concise summary has been prepared by B. C. Forbes, the financial writer, as follows.

There has been improvement:

1. In employment.
2. In stock market stability.
3. In the money market.
4. In grain prices.
5. In railroad traffic.
6. In dividend declarations.
7. In clearings through banks.
8. In foreign trade.
9. In mail order and chain store sales.
10. In automobile production and demand.
11. In copper consumption.
12. In the silk trade.
13. In the rubber industry.
14. In consumption of paper.
15. In the packing industry.
16. In the shipping industry.
17. In the building industry in numbers of centers.
18. In business booked by leading electric companies.
19. In public utility earnings.
20. In purchases of agricultural machinery and implements.
21. In savings bank deposits.
22. In the volume of new life insurance written.
23. In hotel construction.
24. In the volume of advertising.
25. In sales of cash registers.
26. In equipment buying by railroads.
27. In road building.
28. In the sugar industry.
29. In pig iron and steel ingot production.
30. In the number of new enterprises incorporated.
31. In the demand for gasoline.
32. In tobacco consumption.
33. In employee and customer ownership of securities.
34. In the outlook, from the tenant's viewpoint, for lower rents.
35. In the cost of living—from the viewpoint of the householder interested in lower prices.
36. In merger prospects.
37. In the outlook for tax relief.
38. In the handling of government expenditures.
39. In relations between employer and employee.
40. In financial and business sentiment.

You need all of your fingers to button your collar and fix your tie on Sunday morning.



Fused Quartz for Astronomical Mirrors

The many advantages offered by the use of clear fused quartz for astronomical mirrors were outlined by Professor Elihu Thomson, director of the Thomson Research Laboratory of the General Electric Company at Lynn, Mass., before a meeting of the Franklin Institute of Philadelphia. At the meeting he received the Franklin Medal for his achievements in the electrical field.

"For twenty-five years," said Professor Thomson, "I have borne in mind the great desirability of procuring fused silica disks instead of glass for astronomical mirrors. It is its low coefficient of expansion and its consequences which confer such great superiority as the silica disk possesses. This may be stated under several heads.

"1. Disks require but little annealing, while with the large glass this is a matter of great difficulty.

"2. They can be rough ground by a carborundum wheel without danger of fracture, an operation difficult with glass and rarely resorted to.

"3. The disks can be made very thick and rigid more easily than with glass.

"4. The fine grinding (or smoothing before polishing) is carried on with great facility, and the surface before polishing is usually of finer grain than with glass. The fused silica is considerably harder than glass, and not so easily scratched.

"5. The polishing proceeds readily and can be carried on regardless of temperature changes. Incidentally, there is less liability of scratches forming in polishing.

"6. In very accurate work, figured by polishing, as in high grade surfaces of astronomical mirrors, the polishing and

testing need not be interrupted as with glass by long rest periods, with the mirror disk kept jacketed in felt for equalization of temperature. This is very important and involves great saving of time.

"7. In service, none of the precautions against temperature variations and distortions arising therefrom are needed, and even in solar work with full sunshine on the mirrors, no evil result follows.

"When it is remembered that it took two years of testing and polishing for figure, involving long interruptions for equalization of temperature, to produce the 100-inch glass mirror mounted at Mt. Wilson, near Pasadena, California, the advantage offered by fused silica is evident.

"The optician will welcome the possibility of obtaining so-called flats of desired sizes, not subject to temperature distortion, while the making of accurate flat surfaces is evidently greatly facilitated. The silvering of surfaces of fused silica appears to be no more difficult than with glass, with the advantage, however, that the former can be warmed without risk when such warming is needed to assist the formation of the silver deposit."

Cleveland's night beacon, a 36-inch high intensity searchlight built by the General Electric Company and installed on the roof of the Union Trust Company has been seen 160 miles away, at Hamilton, Ohio.

Ships are now launched by the guillotine method, invented in France for decapitation purposes. Six electric motors operate six weighted blades, sliding in grooved frames, which all come down at the same instant and simultaneously sever the ropes that hold the vessel. The motors are all controlled by an electric switch amidships.

Girls Department



Elx Girls Spend Week- End at Camp Yarnelle

From the time we established ourselves comfortably on the train at 1:00 o'clock, June 6th, en route to Winona, until the time we again stood on the platform ready to return to Fort Wayne, on June 7th, the trip was just one round of bliss.

When we arrived at our destination, some of us got the boats out of storage and rowed a large number of the party across the lake (which can be done in fifteen minutes), while the rest were transported to camp in the autos of the girls who had come up early in the morning and who met us at Winona.

Changing our traveling clothes for knickers was the first move. Beds were chosen and tagged and made up. After that perfect freedom was the order of the day.

When it came meal time, the girls worked in shifts, six in a group, so that each had her share of K. P. duty. Each shift had to get the meal, clean up afterward, and set the table for the next meal. The menu was made out in advance and Miss Scott took care of the provisions.

We were kept indoors Saturday night by the most welcome rain which came pouring down, after robbing us of our twilight and the full moon which we expected to enjoy. The greater number of the "gang" sat on the porch and talked or watched the play of the lightning across the lake, but there were others who enjoyed the more lively pursuits of dancing, singing, performing of stunts, and whatever else they could think of. We can assure you there wasn't much peace for those who wished to read.

At about 10:00 o'clock we all adjourned to the dormitory building up on the hill to turn in. The mischievous ones were up to their usual tricks and it was a long time before we finally got to sleep. Of course there were some who thought they would put something over on the rest of us. They had fixed up a number of sandwiches after supper and hidden these down at the lodge, and about 1:00 a. m. these sly mortals slipped down to the other house and got their refreshments, which they ate in great glee, no doubt. Oh, well, a good, sound, unbroken night's sleep was worth two dozen sandwiches.

Sunday morning everybody seemed to awake at the same time—along about seven bells. Some of the girls got ready to go to church at Warsaw, those who were on K. P. duty for breakfast set to work, while some of the ambitious ones plunged into the lake for a refreshing bath.

After breakfast there was nothing to worry about. Some rowed around the lake, others played tennis, Florence Boerger

(thoughtful girl) gathered a large armful of flowers and grasses for the tables, and at 11:00 o'clock the morning cooks took a swim of their own. Swimming was in order at any time of the day. Some went in at 11:00, some at 2:00, and some at 4:00. The water was just right, although surprisingly cold in some spots and unusually warm in others. Miss Jackson, Hildegard Hormel, and Jeannette Weiss distinguished themselves by their diving, and a few others tried it once or twice. Yes, we will admit, it gives you quite a thrill to plunge into the water head first.

The K. P.'ers at noon had quite a large meal to prepare—escaloped potatoes, baked ham (which was already cooked), tomato and cucumber salad, bread, butter, and apple butter, topping off with coffee, ice cream, strawberries and cookies. When the work was all done, there was time to read, play tennis, take another swim, play some more tennis and finally eat supper just in time to pack and be whisked off to the station by Miss Scott in the "Wait a Minute." "Good-bye, dear old Camp Yarnelle, until the next time!"

Just ask anyone of the following girls if the above, though inadequate, is not a true account of the fun we had—their names are given in the order in which the girls appear on the picture, starting with those standing, from left to right:

Agnes Moorman, Mildred Bueker, Ireta Erwin, Lillian Steup, Dorothy Hormel, Lois Miller, Bernice Gordon, Ruth Spite, Fern Burris, Hildegard Hormel, Mabel Wasson, Josephine Majors, Marie Blaue, Marie Grothouse, Loretta Grothouse, Jeannette Weiss, Miss Kathryn Jackson, Minerva Bueker, Alma Boerger, and also the following girls not on the picture: Flora Boerger, Dewey Wickliffe, Susie Wagner,

LaVera Vail, Bertha Moorman, Lillian Reusser, and our own Miss Clarissa Scott.

Of course these girls are enthusiastic boosters for Camp Yarnelle, but they are not the only ones who appreciate the beauties and pleasures of our beloved camp, as witness the following verses from the pen of our old friend, Josephine Zimmerman:

June at Camp Yarnelle

Have you ever heard of a place in tune?

Go to Camp Yarnelle in the month of June.

Where a call in the early morning hour
Means something more than just "a shower."

Where we raise Old Glory 'mid blessing
and song,

Joining hands, this happy throng,
And I venture to tell,
You'll never regret
The day at Yarnelle
That you and I met.

July at Camp Yarnelle

And say, do you know—

If you haven't planned a place to go,
It's simply grand (at Camp Yarnelle).

Ask some one who's been there
And they will tell

Of the wonderful eats they serve at
Yarnelle.

The frolicsome times they have there, too,
You surely can't miss them, for if you do,
You'll always regret not spending some
time

At good old Yarnelle during the month
of July.

August at Camp Yarnelle

Now just a word before summer is gone.

Have you been thinking all along
That you'd like to make a trip to camp
And join your pals on a good long
tramp

(To Hobo Kitchen)?

You surely must know that August is time
When everything is in its prime,
And of all the tales you will love to tell
Will be Nature's spot in Camp Yarnelle.



"WAKEYA," THE NEW LIVING QUARTERS AT CAMP YARNELLE



THE ELEX WEEK-END PARTY AT CAMP YARNELLE

And some of you may or may not know, Mr. Yarnelle recently built a new house at the Y. W. C. A. camp, henceforth to be used as living and dining room, with a kitchen and a small office as well. The old building was remodeled completely into dormitories so that it will now accommodate between fifty and sixty girls. The accompanying picture, while not very clear, may serve to give you some idea of the splendid location of this new building. Right down by the lake, close to the tennis court, convenient for camp fires and weiner bakes, with a long, wide porch, and comfortably furnished in wicker chairs and tables, it is filling a longfelt need for greater accommodations for the large numbers of girls who throng to camp all through the summer months.

The name chosen for this new building is "Wakeya," an Indian name meaning "lodge." The dormitory building on top of the hill will be known as "Netawah," meaning "sleep." Don't you think they are very pretty names?

Coming Events

JULY

The outing at Stoner's Mill, originally scheduled for July, has been postponed until August, and the Elex party for July will be in the form of a picnic at Foster Park, right after work, some Wednesday evening, the exact date to be announced later. Watch for it! You won't need to worry about a lunch, for the club will take care of all that. That being the case, we expect to see a perfect mob of you out for the good time which you are quite right to expect. Come on, you less active members, join with us in our good times.

There was one very small group of girls at Camp Yarnelle who had their judgment on a certain subject sharpened considerably. It is quite unlikely that they will ever in the future go out rowing in their bathing suits when the sun is shining brightly overhead. The punishment in this case was long and severe.

Miss Anna Griebel Writes From California

Acquaintances of Miss Anna Griebel, who formerly worked for Mr. Meader, Building 19-2, will be interested to know that she has just written Mr. Henry Aumann, with whom she formerly made her home, telling of a very interesting two-day automobile trip up the west coast of California. On this trip Miss Griebel started from Oakland, where she is employed in the General Electric's lamp factory. In the two hundred mile travel she passed through some of California's most wonderful fruit country; saw some very interesting steam geysers, crossed mountains, and drove for miles along the mountain roads

where the way was so narrow two cars could scarcely pass. The accompanying snap shots will give some idea of the interesting experiences of the trip. Miss Griebel plans to return to Fort Wayne in October and it is possible she may again be associated with us here at the G-E.

Personal Notes

Miss Luetta Eutrecht, employed in Mr. R. F. Harding's department, left the employ of the company June 27th, to go to Chicago, where she will study interior decorating in the Chicago Academy of Fine Arts.

The Misses Ethel Terry, Clara Damme-
yer, Opal Moore, Mildred Igney, Carrie Barr, Kathryn Hollenbeck, Faye Martin, Velam Dennis, Edith Paisley, Eva Green, Mabel Coyle, Loree Moore, Bertha Schmidt, Marie Manning, Ethel Norris, Gelennas Ramsey, Grace Resler, Marvel VanHouten, Goldie Minneaer, Loretta Bendele, Beatrice Hilker, Sonne Bloom, Dortha Passon, Ethel Rozene, Clara Dager, Mildred Cook and Helen Cook are new employees in the Meter Department.

Miss Florence Heaver of the Mica and Insulating Department surprised her friends when she quit work without saying why and then was quietly married on June 13th to Mr. Chas. Haugk. Miss Heaver has been an employee at the G-E Company for the past twelve years and during this time has made many friends who wish her much happiness.



ANNA GRIEBEL IN CALIFORNIA

The Young Woman in Business

By Dorothy Dix

A young woman who is just starting out in business asked a very successful business man the other day if he would point out to her the way to success.

"What must a girl do to get on in a business office?" she asked. "Some girls stay put at the same salary and in the same position year after year, while other girls climb up to private secretaryships, to heads of departments, and to places of importance. When I talk it over with the girls they always speak of pull and favoritism. I don't believe this, and what I want to know is what a girl must do in order to advance. What are the qualities in her that attract her employer's favorable notice?"

"There is no royal road to success," replied the man. "This is true for a woman just as much as it is for a man. There is no sex in work. Fitness is the only thing that enables a girl to get a good place and to hold it.

"She must know her job from the bottom up, and she must be continually on the look-out for additional information. She must be reliable and dependable and she must have energy and grit and determination. She must like her work for its own sake, for I've never known anybody, either man or woman, to make a success of the thing that his or her heart was not in.

"Aside from the fundamentals of business, however, there are some points that are worth the consideration of every girl in business because they score for or against her.

"The first of these is time. The girl who works just so many hours a day never gets to the top of the ladder. In my office the work is supposed to commence at a quarter of nine. Of the forty girls I employ there are thirty-nine who never get in until the clock strikes nine. Then they spend five or ten minutes in the dressing room, primping and powdering their noses.

"I have noticed that the fortieth girl is always at the office long before nine and that she never dreams of leaving at night until the last bit of work is done. Her work is really no better than that of several of the come-late and go-early girls, but I have advanced her over all of their heads although she has been with me only six months and some of the others have been with me for years.

"While we are on the subject of fitness, let me beg you to give a thought to your boss when you buy office clothes. Don't think, as you pirouette before the mirror and the saleslady pours in your ear all how this or that is going to strike your lover or your neighbors or the girls in your club. Try to imagine, rather, how it will look to your boss the first time you breeze into the office with it on and to the people who come into your place of business.

"'Neat' is a tiresome grand-motherish word that has fallen into disrepute among young people of today. But four out of five men with whom I recently discussed the appearance and fitness of business girls

used the word 'neat' with a wistful kind of approval. If you look up 'neat' in your unabridged, you will find that it means 'trim and clean; simple and elegant.' Not so bad, that description. We could 'go farther and fare worse' as our mothers say.

"Another point I would call to the attention of girls is the necessity of working while they work and giving their whole attention to their job. As I pass through my big outer office a dozen times a day, I notice certain girls who never look up, who are never chattering, who are engrossed with the thing they have in hand. They are giving me honest service. Other girls are looking around, chattering and whispering to each other about what 'he said' and 'she said' and the 'dates' they have. Let me tell you that everyone of the earnest workers is slated for a move-up as soon as the opportunity presents itself and the slackers will be the ones I will dispense with if business gets a bit bad."

Guiseppe Faccioli Now On Visit to Europe

Guiseppe Faccioli, engineer of the Pittsfield plant of the General Electric Company, sailed June 6th on the S. S. "Paris" for an extended European trip. Mr. Faccioli is taking his automobile and chauffeur with him and will travel by motor.

From Havre he will motor to Paris, where he will attend the third International Conference on High Voltage Systems. After visiting the various cities of France he will go to Berlin, and during July he will visit the principal cities of Germany, Austria and Czecho-Slovakia. Following a trip to Milan, Italy, where he will visit the General Electric plant in that city, he will visit relatives and friends in that country, his itinerary including Florence, Assisi, Rome and other cities. He will return to the United States on the S. S. "Conte Verde," sailing from Naples August 21st.

Electric generating plants are located in strange places. Some are on mountain summits, on the slopes of volcanoes, in caverns and on rafts in streams. Another freak site has just come to light—a power plant just built on a floating barge in the Columbia river. It will supply a lumber mill and will have a capacity of 2,000 horsepower.

Sunmre Poettroy

(By hte Boas)

My tYpist is on her vscatiom
My trpist's awau fpr a week
My typudt us in hwr vscarion
Wgile thse dumb kews pply hude and seej?

CJORAS:

Oy, breng boxk, bting bzck,
Brung becj mu b'Onnie ti my, tp mr;
B(&ng b\$&xj, b-6ng bicx,
Bjing, bozk mu belnio -omx, oh helk!

Decatur Works Section

Decatur Suggestion Award

The committee on suggestions announces the following award made on suggestions from Decatur up to June 24th.

George Meyers, of the Punch Press Department, an award of \$5.00 on a method of separating contact fingers and blocks from the scrap.

Walter Lankenau, Forest Passwater, Marvin Stoutenberry and Homer Ellsworth left the first of June via automobile on a trip to the western coast. The boys expect to be gone a year, that is if they don't get homesick. Good luck, boys.

Miss Billy Hendricks, clerk, is enjoying her two weeks' vacation, June 8th to 20th, in Michigan.

Miss Francile Martin is back with us again after a tonsil operation.

Miss Verona Snyder began duties as clerk in the office, Tuesday morning, June 16th.

The last meeting of the Gecode Club was held in the club rooms Wednesday evening, June 17th. A delicious two-course supper was served by the Misses Beulah Berry and Mary Shackley. A business meeting was held and it was decided that we go to the lakes the week-end of July 18th. Here's hoping the girls have as good a time as we did last year.

Friday evening, June 12th, a general social meeting was held by the employees of the Punch Press and Tool Room Departments in the General Electric yard. Among the social events of the evening were several good boxing matches. The main feature of the evening was the trial of Tilman Gerhig, of the tool room. In the court of Judge Lankenau he was accused of stealing suggestions from Mike Kimble, Messrs. Gage, Kimble and Harry Yahne being the attorneys. The fact that Tibby was sentenced was due to the skillful manipulations of the law by our young budding attorney, Harry Yahne. Tibby was sentenced by Judge Lankenau to be given two smacks of the paddle by members of the jury, providing the sheriff, Clay Engle, should be able to turn Tibby over the bench.

The lunch consisted of weiners, brick and limburger cheese sandwiches, ice cream, pop and near beer.

Iowa presents the 100 per cent electrified town, rather appropriately named Keystone. One hundred per cent of its residences, of its business houses and of its power consumption is electrified; all of which is news that might electrify almost anyone.

G-E JUNIORS' PAGE

Dear Juniors:

Since tomorrow will be the "Glorious Fourth" I suppose you kiddies are too excited this evening to do much with the puzzles but I hope you will try to work them out soon.

Being G-E Juniors you surely must be interested in the things that are made here at our plant, so I would like for you to try and name the objects that are pictured below and, if possible, tell me where you have seen them used. Now this may seem a little difficult for you but if you should not know what one or the other object is, ask dad, he ought to know.

The objects that were to be found in the June Prize Puzzle are as follows: Hatchet, spoon, bottle, egg, rolling pin, pear, apple, bucket, traveling bag, heart, lamp, cup, hat, book, pitcher, shovel, acorn, pen holder and pen, and light bulb, nineteen in all. Too bad some of you missed it by one object.

The prize winners for June are: Geraldine Reiber, daughter of J. Reiber, who works in Building 17-4; Evelyn Isenberg, daughter of Mrs. Isenberg, who works in Building 19-4; Robert Gaskill, son of W. L. Gaskill; Adell Gettys, of Reidmiller Avenue, and Martha Gebert, of R. R. No. 11, Fort Wayne. Inez Cook, of 225 North Eighth Street, Decatur, Ind., and Gretchen Winans, daughter of Mrs. Cora Winans, of Decatur Works.

I also had letters from Violet Latham, Dorothy Hull, Bernice Snyder, Harry Devaux, T. Jack Heinley, Marie Gehle, May Arnold, Amanda Borchelt, Sarah Gebert, John Reiber, Dorothy Jane Holmes, Burnell Hott, Gaynol Marsh and Paul Hendricks.

You will notice when reading over these names that very few boys are trying the puzzles. What's the matter, boys? Too easy or too difficult? I hope I shall hear from more of you this month.

This month we have two very nice pictures, the one at the top is of Violet Latham, 2928 Alexander Avenue, and the other is of Dorothy Hull (tall girl), of Grabill, Indiana, and her little playmate, Mary Jane Furgson.

During the summer months you should be able to get some very interesting pictures at the lakes, or on hikes, picnics, etc. Keep the G-E Juniors' page in mind and whenever you get a good picture, know a good story or puzzle, send it in; it will be greatly appreciated.

Did you ever look at a coin very closely to see how many objects you could find on it? It really is interesting to do this, so, after you have solved the prize puzzle, take an Indian penny and see how many of the following objects you can find on it:



VIOLET LATHAM
A Fort Wayne Works Junior

1. Spring flowers—tulips (Two lips).
2. A South American fruit.
3. A portion of a hill.
4. Something found in school.
5. Three weapons.
6. An animal.
7. Part of a stove.
8. The first American settler.
9. Plenty of assurance.
10. A place of worship.

Answers to the Presidents' names puzzle for June are as follows:

- | | |
|--------------|----------------|
| 1. Madison. | 7. Washington. |
| 2. Jackson. | 8. Lincoln. |
| 3. Taylor. | 9. McKinley. |
| 4. Adams. | 10. Harrison. |
| 5. Garfield. | 11. Monroe. |
| 6. Grant. | 12. Harding. |



MARY JANE FURGSON AND DOROTHY HULL

At My Gran'pa's House

I'm goin' back down to gran'pa's—
I won't come back no more
To hear remarks about my feet
A muddyin' up the floor.

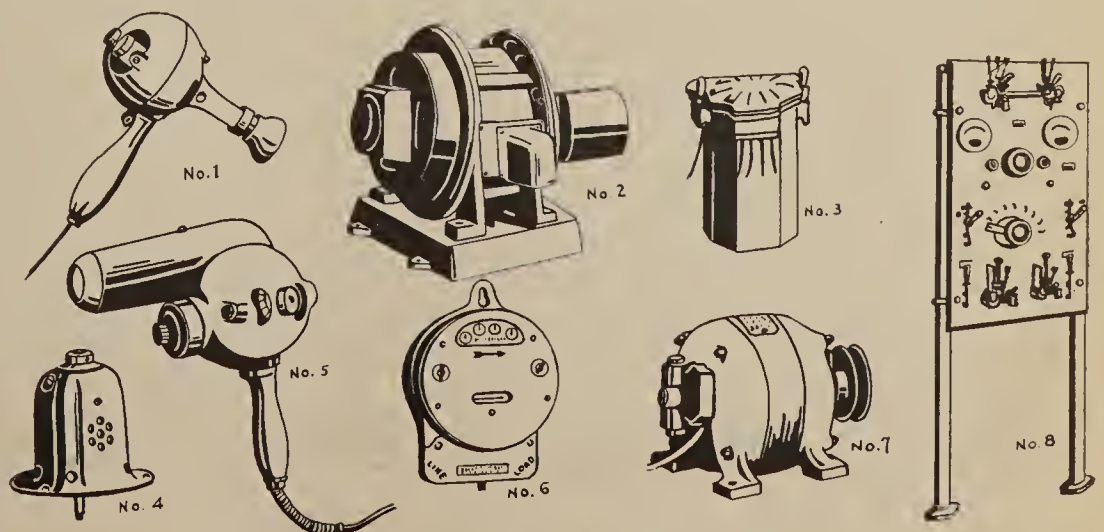
There's too much said about my clothes,
The scoldin's never done—
I'm goin' back down to gran'pa's,
Where a boy kin have some fun.

I dug up half his garden
A-gettin' worms for bait;
He said he used to like it
When I laid a-bed so late.

He said that pie was good for boys
An' candy made 'em grow;
Ef I can't go back to gran'pa's
I'll turn pirate fust you know.

I bet you gran'pa's lonesome,
I don't care what you say;
I seen him kinder cryin'
When you took me away.

(Selected)



These Are G-E Products. Can You Name Them?
THE PRIZE PUZZLE FOR JULY

ATHLETICS

G-E A. A.

Horseshoe Pitching League Has Started Its Schedule

What promises to be the most successful horseshoe league ever organized here has been started under the guidance of John Blakely, present Works champion. Thirty-eight enthusiasts have entered their names and the schedule will be made up from this list. The thing that makes the management of the league particularly optimistic is the manner in which partners were chosen. The personnel of the league was divided into two classes, those who have played considerable and beginners. One player selected by lottery will pair with an experienced player to form a team. All games will be played on the courts in McCulloch Park on each noon hour, starting at 12:30 p. m. All games are to be doubles. Fifty point games will be played according to National Horseshoe Pitchers Association rules. It is expected that four rounds will be played, the first games being scheduled for Wednesday, June 24.

At the close of the schedule a picnic will be arranged for all players at which time the two highest teams will play a series of games. The highest point makers will then play for the Works championship,

the winner to be awarded the large bronze trophy symbolic of the horseshoe pitching champion.

Y. M. C. A. Industrial Baseball Nearing End of First Round

The G-E team in the Y. M. C. A. league struck a snag in the Wayne Tank team, losing to the lowly tank makers by the score of 6 to 4. This was the first game the Wayne Tank had won this season. On the same day Dudlo toppled the leading Pennsylvania nine from the lead and went into a tie for first place. Three more games remain for the first half.

In the second half the league will be divided into two sections according to the standings at the end of the first half. The winners of the two sections will then play for the championship of the second half and the winning team will fight it out with the winners of the first half for the league championship.

The standing of the teams June 19th was as follows:

Team—	Won	Lost	Pct.
Dudlo	5	1	.834
Pennsylvania	5	1	.834
Tokheim	4	1	.800
General Electric	4	2	.666
Bowser	3	2	.600
Printing Company	3	3	.500
Wabash	2	3	.400
Wayne Knit	1	4	.200
Wayne Tank	1	5	.167
Utensils Company	0	6	.000

Batting averages for all games except the one with the Utensils Company, show

Glenn to be leading the team regulars with an average of 528. Walker is second with 500, Enders third with 478 and Stahl fourth with 476. Other averages are Biedenweg 350, Roembke 368, Kammeyer 333, and Reynolds 294.

G-E Team in Lead in City Industrial Baseball League

The G-E team of the City Industrial League lost its first game of the season to the Wayne Tank Club. The green and white was decidedly off form, failing to hit with men on bases accounting chiefly for the defeat. Eleven runners died on the paths. Romine, star hurler of the G-E squad, had an injured hand and Harwood, relief pitcher, had a bad ankle and Parker attempted the pitching honors.

Wayne Tank is in second position winning three games and losing two. All of the teams in the league are strengthening their lineups and some real battles will be staged before the curtain drops. The crowds have not been as large as they should be for the class of baseball played. Fans who have been missing these games have been passing up some good baseball.

A total of twelve games are scheduled to be played to complete the season. The standing of the teams June 18th was as follows:

Team—	Won	Lost	Pct.
General Electric	4	1	.800
Wayne Tank	3	2	.600
Western Gas	2	2	.500
Pennsylvania	1	3	.250
International Motor	1	4	.200



G-E SEMI-PRO INDUSTRIAL LEAGUE TEAM

Seated (left to right): C. Stauffer, J. Rockhill, D. McKeering, W. Watt, J. Henry, W. Wellman, J. Fox.
Standing (left to right): W. Reed (manager), E. Parker, R. Harwood, B. Hamilton (captain), F. Romaine, R. Williams, D. Hamilton, E. Koch (assistant manager).

Williams is leading the G-E team in hitting with an average of 616 for four games. Rockhill is second with 572 for three games and Bruce Hamilton is third with 529 for five games. Romine has an average of 500 for four games and Harwood has 444 for three games. Watt has an average of 389 and D. Hamilton is hitting at a 333 clip.

G-E Girls Baseball Team Wins First Game of Season

The G-E girls trimmed the Wayne Knit girls in a baseball game at West Swinney Park June 3d by the score of 17 to 5, in the first game of the season. The other two scheduled games with the Blue Triangle A. A. and the Fort Wayne Paper Box Company were postponed.

Sam Newlin Wins Billiard Title for Month of May

Sam Newlin of the Fractional H.P. Motor Department, finished with the highest percentage among the billiard players for the month of May. Lindemuth was second with 682 and Kromm third with 680. The others finished in the following order, Leonard 550, Rittenhaus 546, Momper 500 and Hageman 500.

Notes

The schedule for the semi-pro team for the next four weeks is as follows:

July 11—G-E at Pennsylvania, 2d game.

July 18—International Motors at G-E, 1st game.

July 25—Wayne Tank at G-E, 1st game.

Aug. 1—G-E at Western Gas, 2d game.

The Y. M. C. A. league completes the first round on July 11th. The G-E team meets the Wabash team at Memorial Park at 2:00 p. m. on that date. The schedule for the second round will be announced later.

"Rip" Watt in the sun field on the Semi-Pro team is playing the best ball this season of his long career. He is hitting 389 for five games and playing a great game in the field.

Paul Enders has proven a real find for the Y. M. C. A. team and has won a permanent position at the hot corner. In addition to fielding his position well he is hitting 478 for five games.

"Joe" Henry is having his troubles with the stick this year. Ordinarily a good hitter, "Joe" has only succeeded in hitting two in five games that someone hasn't fielded. Watch out when the red head gets started.

The game of horseshoe as it is played today is quite different from the old barnyard game at which our fathers whiled away their leisure hours. With double ringers and outside a six-inch radius no count, I

am afraid some of the old timers would never have finished a game.

We heard a colored chap the other day in commenting on the G-E-Wayne Tank game say, "It's the breaks what makes the game. No ball game ever was perfect, if they was, they would still be playin' the first game yet." Guess there's more truth than fiction in that.

Short Safety Sermons

Keep the Safe in Safety.

Some people are so careless that they can't be trusted with a rubber razor.

Look before you leap and you won't limp.

"Hands off" sometimes means "fingers on."

FOR SALE OR RENT—the four-room Vail cottage in "Panama" section, north shore Lake Gage. Has double lot and double boat. If interested call at 1111 Broadway, Anthony 7132 or Miss Vail, Works phone 505.

Too many men make the great mistake of waiting until they feel reasonably sure that things are perfect. That consumes an awful lot of time. All perfections must be developed from a start. Sometimes the poorer the start, the greater the perfection. It all depends upon the man and his ability to take advantage of his mistakes. All perfection is the result of mistakes overcome.



G-E FIREMEN IN PRACTICE WATER BATTLE

KEEPING FIT CONTEST

Standing of Major Departments June 15, 1925

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Apparatus	5.44	2.50	54.10
2. Fractional H.P. Motor.....	19.40	12.50	35.60
3. Meter Department	17.98	12.50	30.50
4. Contributing Departments	19.64	13.75	30.00
5. Transformer	12.02	16.25	—35.20
6. Decatur	8.82	13.75	—55.90
7. Building and Maintenance.....	12.10	20.00	—65.40
8. Induction Motor	4.57	8.75	—91.40

Safety News

Punch presses took their quota of fingers the first week in June, three amputations being recorded, two at the Fort Wayne Works and one at the Decatur Works. One of the men had worked on a punch press for eighteen years without an accident, but evidently the old carelessness bug slipped in and got him at last.

The punch press is one of the most hazardous machines about the Works and the operator should use every device provided for the protection of the hands and fingers. If there is a guard on the machine, use it, if pliers are provided to handle the material, use them because you had better be safe than sorry. Once a finger or hand is gone, you will find that an artificial one don't work as well as the real article.

It is all right to be friendly but don't talk to an operator of a punch press while he is operating the machine. One slight turn of the head by him might mean the loss of a finger. Operating a machine of this kind requires constant attention at all times, and foremen and supervisors should prohibit visiting with a man working at a machine.

The Transformer, Contributing, and Fractional Horse Power Departments, with 1,868 employees went through the month of May without a losing time accident, or in other words, approximately one-half of the employees of this Works lived through a period of thirty-one days without an injury that caused any loss of time. Why can't we make it unanimous in July?

Accident records disclose the following number of lost time accidents:

	1924	1925
May	22	12
Total for first five months	104	69

The sixty-nine occurring this year are classified as follows: Lacerations and contusions 26, sprains and strains 12, fractures 11, infections 7, eyes 5, miscellaneous 5, amputations 3.

The Fractional Horse Power Motor Department jumped from fourth to second place on the Keeping Fit Contest, leaving the Meter and Contributing Departments in third and fourth places respectively, with only one-half of one per cent separat-

ing the two. The Apparatus Department is still out in front and from the appearance of their record of only two lost time accidents so far this year, it looks as though they are going to stay there. However, the Fractional Horse Power Department is climbing and still has a chance to take the prize for 1925.

The following departments have completed a four-year record without a lost time accident:

DEPARTMENT	FOREMAN
App. Stock 17-1 and 17-2.....	L. Fox
Standardizing 19-5	H. Rohrbaugh
Trans. Stock 26-2.....	C. Price
Ind. Motor and A. T. B.	
Assem. 19-1	W. Starke

Ind. Motor and A. T. B.

Stock 19-2

A. Spencer

Tool Supply 19-3.....

H. Peters

This is a splendid record and shows that some departments are working safely. One more year without an accident and they will be the recipients of a big feed and celebration given by the company in their honor.

A broken bone gathers no muscle.

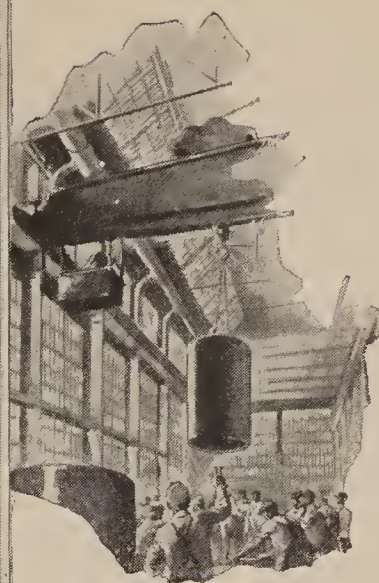
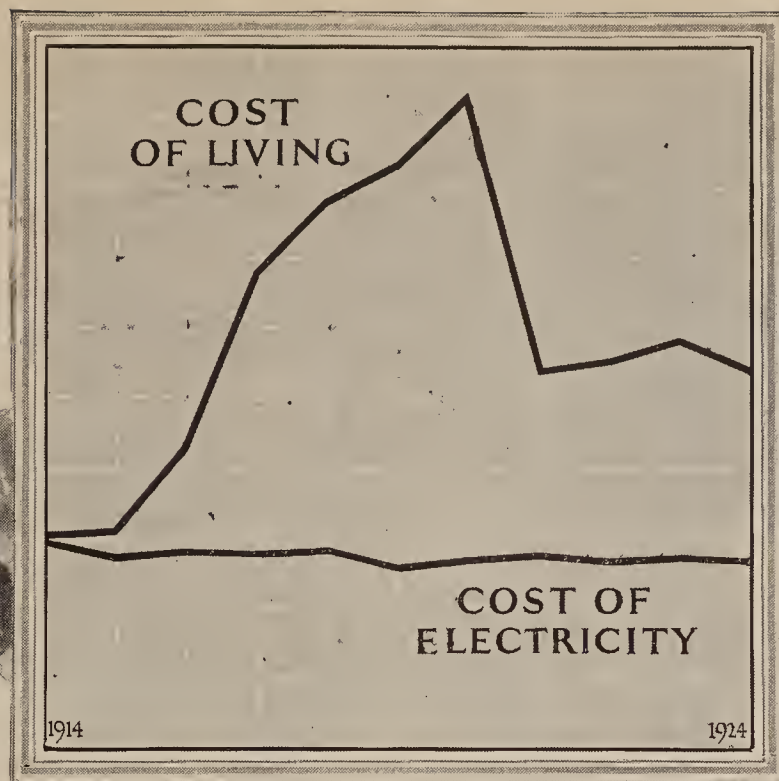
Do not use tools with mushroom heads. The blacksmith is paid to fix them for you.

Better to say, "How do you do?" than, "How natural he looks."





It is part of the business of electricity to make homes brighter, safer and more livable.



Electrical engineers are at the service of every manufacturer who seeks larger production with lower costs

CHEAP ELECTRICITY —a great achievement

THE CHANCES are you have not visited your electric light and power company. You may not even know where it is.

But a great achievement has been going on inside its walls.

Old machinery has been taken out, new machinery installed. In years when the cost of most commodities has risen, the cost of electricity has been kept down. It is lower now than before the war.

This means lower manufacturing costs for your industries and better light for your homes.

It means that the routine tasks of home life can be done by inexpensive little motors.

It means conservation of the nation's coal supply.

To an industry in which such achievements are possible, the General Electric Company has made many contributions. It has built new and improved machinery for the electric light and power companies; and in its research laboratories it has developed better lamps and other devices by which electricity is efficiently used.

And day by day, progress continues. There are still millions of homes without electricity; still many tasks being done in factories and homes by human hands which electric motors ought to do.

By cooperation on the part of all—manufacturer, public utility company, and public—this improvement will go on.



This monogram is on all sorts of electrical equipment large and small—the big generators that produce electricity, the lamps that banish darkness and the motors which do the hard and tiresome tasks of life. You can rely upon the letters G-E. They are a symbol of service, wherever electricity is used.

GENERAL ELECTRIC



THE STARS AND STRIPES

THE AMERICAN CONGRESS
in session

at PHILADELPHIA, Pa., ESTABLISHED by its RESOLUTION
of JUNE 14th 1777, a NATIONAL FLAG for the UNITED STATES
of AMERICA. THIS RESOLUTION WAS AS FOLLOWS:

*Resolved that the flag of the thirteen
UNITED STATES be thirteen stripes;
alternate red and white, that the
UNION be thirteen stars, white in a
blue field, representing a new constellation.....*



JANUARY 1, 1776.



JUNE 14, 1777.

Although nearly a year previous, July 4th, 1776, these Thirteen United States had been declared independent, this resolution is the first legislative action recorded pertaining to a national Flag for the new Sovereignty.

The issue of the thirteen stripes was not a new feature as this had been introduced (in alternate white and blue) on the upper left hand corner of a Standard presented to the Philadelphia Light Horse by its captain in the early part of 1775 and moreover a union flag of the thirteen united colonies raised at Washington's Headquarters at Cambridge, January 2nd 1776, had the thirteen stripes just as they are this day; but it also had the crosses of St. George and St. Andrew on a blue ground in the corner.

There is no satisfactory evidence, however, that any flag bearing the union of stars had been in public use before the resolution of June 1777. It is not known to whom the credit of designing the stars and stripes is due. It is claimed that a Mrs. John Rols, an upholsterer, who resided on Arch Street, Philadelphia, Pa., was the maker of the first flag, combining the stars and stripes. Her descendants assert that a committee of Congress, accompanied by General Washington, who was in Philadelphia in June, 1776, called upon Mrs. Rols and engaged her to make the flag from a rough drawing which, at her suggestion, was redrawn by General Washington with pencil in her back parlor, and the flag thus designed was adopted by Congress.

Although the resolution establishing the flag was not officially promulgated by the Secretary of Congress until September 3, 1777, it seems well authenticated that the stars and stripes were carried at the battle of Brandywine, September 11th, 1777, and thence forward during all the battles. Soon after its adoption the new flag was hoisted on the Naval vessels of the United States. The ship *Ranger*, bearing the stars and stripes and commanded by Captain Paul Jones arrived at Quiberon Bay, France about December 1st, 1777, and her flag received on February 14th, 1778, the first salute ever paid to the American Flag by Foreign naval vessels.

The flag of the United States remained unchanged for about eighteen years after its adoption. By this time two more States (Vermont and Kentucky) had been admitted into the Union, and on January 13th, 1794, Congress enacted "That from and after the first day of May, 1795, the Flag of the United States be fifteen stripes, alternate red and white; that the Union be fifteen stars, white in a blue field."

This flag was the national banner from 1795 to 1818, during which period occurred the war with Great Britain. By 1818 five additional States (Tennessee, Ohio, Louisiana, Indiana and Mississippi) had been admitted into the union, and therefore a further change in the flag seemed to be required.

After considerable discussion in Congress on the subject the act of April 4th 1818 was passed which provided—FIRST "that from and after the 4th day of July next, the flag of the United States be thirteen horizontal stripes, alternate red and white; that the Union have twenty stars, white in a blue field." SECOND "That on the admission of every new State into the Union, one star be added to the union of the flag, and that such addition shall take effect on the 4th of July next succeeding such admission."

The first State to add a star to the constellation of the new flag, was Illinois; admitted December, 1818.

The return to the thirteen stripes of the 1777 flag was due in a measure to a reverence for the standard of the revolution but it was also due to the fact that a further increase of the number of stripes would have made the width of the flag out of proportion to its length unless the stripes were narrowed and this would have impaired the distinctness when seen at a distance.

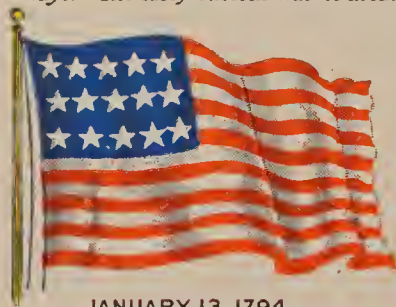
A newspaper of the time said "By this regulation the thirteen stripes will represent the number of States whose valor and resources originally effected American independence, and the additional stars.....will mark the increase of the United States since the present Constitution.

No act has been passed by Congress altering this feature of the flag, and it is the same as originally adopted, except as to the number of stars in its union. In the war with Mexico the national flag bore 29 stars in its union; during the late Civil War 35 stars; during the Spanish American War, 45 stars and since July 4th, 1912, 48 stars.

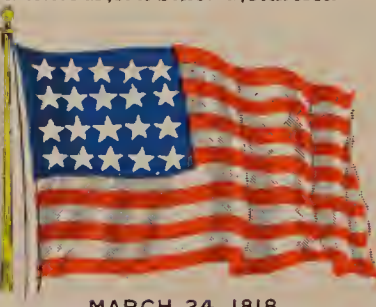
In none of the acts of Congress relating to the flag has the manner of arranging the stars been prescribed and in consequence there has been a lack of uniformity in the matter and flags in use of the public in general may be seen with the stars arranged in various ways. The early custom was to arrange the stars in parallel rows across the blue field, and this custom has, it is believed, been observed in the Navy at least since 1818, at which time the President ordered the stars to be arranged in such manner on the national flag of the Navy.

In the Army too, it is believed, the stars have always been arranged in horizontal rows across the blue field but not always in vertical rows, the effect, however, being about the same as in the Naval flag.

Hereafter there will be no difference in the arrangement of the stars between the Army and Navy, as an agreement has been arrived at between the War and Navy Departments on the subject.



JANUARY 13, 1794.



MARCH 24, 1818.



Vol. 9

August, 1925

No. 8

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



Honors and Responsibilities

On your mark! Get set! Go! Fifteen firemen with their hand-drawn hose cart are away on a run. One hundred yards they go, when two firemen grab the end of the hose and stop with it at a fire plug, as the hose cart goes on. Two hundred feet farther, and the hose cart stops. Two men uncouple the hose, a nozzle is attached and quickly dropped to the ground. The two men who stopped at the fire plug have already attached the hose. The race is over—and now—what was the time? The stop watches show thirty seconds flat.

Fast time, you may be sure. Yes, it is a record for this race, as good as has ever been made in the history of the Northern Indiana Industrial and Volunteer Firemen's Association, in all its twenty years of convention competition; and G-E boys are the only ones that have made the race in this time. However, they have made this records no less than three times: First, at Berne in 1916, next at Decatur in 1923, and finally again this year at Hartford City. There have been some changes in the personnel of the G-E hose-laying team during this time, but nearly all of the men in the group shown on the cover of this issue, were members of all the teams which have made this record.

"But what has hose-laying contests records to do with the fire protection of the plant?" you may ask. In answer we may say: "Contest honors keep our boys on their toes." When the fire siren shrieks, our boys dash quickly to their posts. They have a reputation to maintain and are satisfied, therefore, only with the most speedy work. Time is a vital factor in the fighting of fires and our boys have this always in mind. It takes athletes to make a hose-laying record such as our boys hold; and the contest honors stimulate the men to keep ever at their best.

Our Works is proud of our whole G-E firemen group, and the efficiency with which these men protect our plant from fire. There were times in the past history of this Works, when employees in the morning found only a smoldering waste of wrecked buildings and machines to mark the site of the plant. Naturally until the plant could be rebuilt, there was no work for our people to do. Our firemen are here to prevent such a calamity occurring again, as well as to protect lives of employees when a fire breaks out.

G-E firemen, therefore, have a grave responsibility, which they appreciate more keenly perhaps than we other employees. When you see these boys in action, either in practice or parade, or in answering a call to a fire, remember that they individually have the honor of the department to uphold and that their job directly concerns you, as well as the property interests of the Company by which we are employed.

Those of the hose team featured on the front cover are: George Doehla, Edward Yahne, Chief Paul Grimme, Joseph Henry, Edward Kintz, Dee Hamilton, Ralph Harwood, Earl Reynolds, Edward Miller, Philip Weich, Elmer Hamilton, Bruce Hamilton, Clarence Heber, William Glenn, William Bower, Edward Blust.

Mr. Goll Returns from Europe and Tells of Industrial Conditions There

Much Unemployment and Wages Low; Workers Till Gardens to Make Ends Meet

ON April 29th last, P. C. Morganthaler and I, together with five members of the engineering and manufacturing organizations of Schenectady Works, sailed from New York for Europe on a tour of inspection of the manufacturing and power plants. We visited about twenty-seven industrial plants, most of them building electrical equipments, and ten or twelve power plants, some of the latter being steam driven and some water power stations operating under very high heads. These industrial plants were located at Berlin, Nurnberg and Stuttgart in Germany; at Milan, Italy; Paris, France; Ghent, Belgium, and in England at Rugby, Willesden, Coventry and Birmingham. On an average these shops were operating at fifty to sixty-five per cent capacity, and officials feared the production might go even lower. There is much unemployment in England, it being claimed there are about 1,500,000 idle workers who are being supported at government expense under the so-called Dole System, which means, of course, that those who are working are burdened with heavy taxes.

The shop hours generally vary from forty-eight to fifty-four hours per week, and in one steel plant at Riesa we found the workers putting in a sixty-hour week, the schedule so arranged that some of the men who had to walk an hour each way a day to their homes were away from home from twelve to fourteen hours per day.

The schedule in the A. E. G. plants in Berlin is:

6:30 to 8:00 a. m.

Lunch period

8:15 to 11:45 a. m.

Lunch period

12:00 m. to 3:00 p. m.

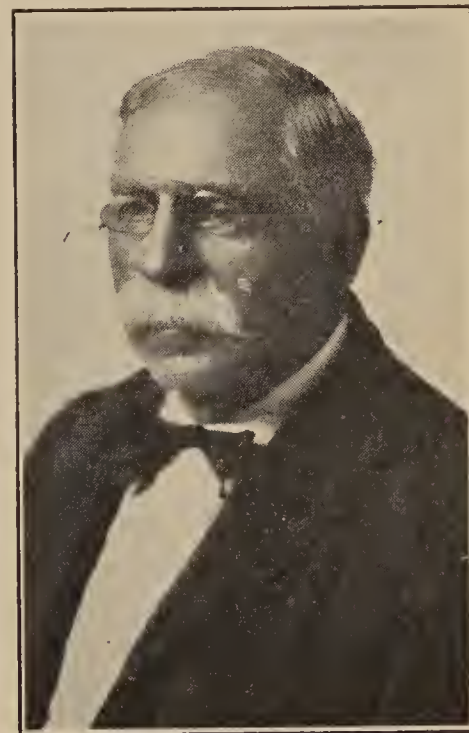
They work this schedule six days a week, which gives forty-eight hours total. At times these shops work until 4:00 p. m., giving a total of fifty-four hours per week. No overtime is paid for this extra hour.

Generally speaking the wage scale and earnings in Germany are approximately one-fourth to one-third for corresponding work in this country, while living expenses are about seventy-five to eighty per cent of ours.

The average shop worker, even with a wife and two children, lives in two or at most three rooms in an apartment or tene-

ment house where he furnishes his own light and heat and supplements his wage by cultivating a little garden, sometimes at some distance from his home and his wife frequently tills the garden. The homes are meagerly furnished and with few conveniences. He is lucky to have a bicycle and the possession of an automobile is unknown except by a few of the officials of the company. While they may be clean, he and his wife and children are dressed in the cheapest and coarsest of clothes and shoes, and it is very evident that under present conditions he is just barely able to make both ends meet on a comparatively low scale of living.

In the shops many of the men and women wear sabots—shoes with wooden
(Continued on Page 7)



JOHN KIESS
of Building 6, Who Introduced James
A. Jenney to R. T. McDonald

Some Incidents Leading to the Beginning of Our Fort Wayne Works

The Story As Told By John Kiess

“IN the summer of 1881, I as a young man was a shipping clerk in the employ. of the Evans-McDonald Company, wholesale dry goods merchants, with a large warehouse on East Berry Street, near to Clinton Street. As my people did not live in the city, I made my home at the old Aveline Hotel, which stood at the site of the present Shoaff Building, corner of Berry and Calhoun. One day in August of that year, two strangers came to town and registered at the Aveline Hotel, staying there for a number of weeks. I met these men regularly at meal times and as they were assigned to a place across the table from myself, we often talked about things of general interest about the town. During all of this time, however, the strangers gave me no hint of their reasons for stopping in Fort Wayne and it was only as a result of an unusual incident that the strangers mentioned their business to me.

“There was an excursion to Cleveland that summer, and I took it in. One of the first things I saw on arriving in Cleveland,

and the one sight of the whole trip which interested me most, was the new electric arc lights which had just been put in use for lighting the Union Station. It was the first electric lighting I had ever seen, and naturally I inquired as to how it was done. I was directed over to the nearby power station and saw the Brush arc dynamo which furnished the current for the arc lamps. The dynamo and the brilliant lamps were uppermost in my mind when I returned to Fort Wayne.

“In some way, the two strangers at the Aveline Hotel learned that I had been to Cleveland and asked me what I had seen on my trip. Of course I told them about the wonderful arc lights and the dynamo. After hearing my story, one of the men told me that they were interested in the matter of electric lights and had in fact brought a dynamo and two arc lamps with them to Fort Wayne in the hopes that they could interest some of the business men here, in a demonstration of the lights and possibly be able to sell the patent rights to the lamps which they had made. The

dynamo they had brought along was developed by Professor Langley of the University of Michigan, and it was at Ann Arbor that they had developed the arc lamps. I inquired what success the men had met with in interesting someone in their proposition and they told me they had not even been able to arrange for a demonstration for their lamps. They were discouraged, they said, and were thinking of going on to some other town.

"I then asked if they had seen Mr. R. T. McDonald, the head of the firm where I worked. They said they had not, and I assured them he was the one man in Fort Wayne that they should see. I also told the men that we had a small steam engine in the warehouse where I worked, which might be used to drive the dynamo for a demonstration of the lamps. I further volunteered to introduce the men to Mr. McDonald, if they would drop in at the warehouse on Monday morning about 9 a.m. The men gratefully accepted my offer and assured me that they would be there. My description of Mr. McDonald, and the statement that there was a steam engine available, evidently convinced the men that Mr. McDonald was the man they should meet. They came down to the warehouse on the following morning, quite a while before Mr. McDonald came to work.

"When Mr. McDonald arrived, I introduced the men to him. They were James A. Jenney, after whom the Jenney Arc Dynamo was named and Mr. Hicks, a friend, who was with him. Mr. McDonald invited the men into his office and a long conference ensued. Before the men left, arrangements were made for a demonstration of their arc lights, in the warehouse on the following Tuesday night.

"Mr. McDonald notified the papers of the demonstration of arc lights which had been arranged and personally invited their representatives, the mayor and the city council to be present for the demonstra-

tion. On that evening it seemed everybody turned out. The lamps worked nicely and it was some time after midnight before all the crowd had passed through the warehouse to view the new lights.

"Mr. McDonald and a number of other business men of the city were greatly interested by the demonstration and soon a company was organized with Mr. McDonald at the head to start the manufacture of the arc dynamo and arc lamps. Mr. McDonald retained the services of Mr. Jenney and also engaged his son Charles, who was really the one who knew most about the electrical design. Some time that fall, the manufacture of electric lamps and dynamos was started in the old brick building on Superior Street just west of Calhoun."



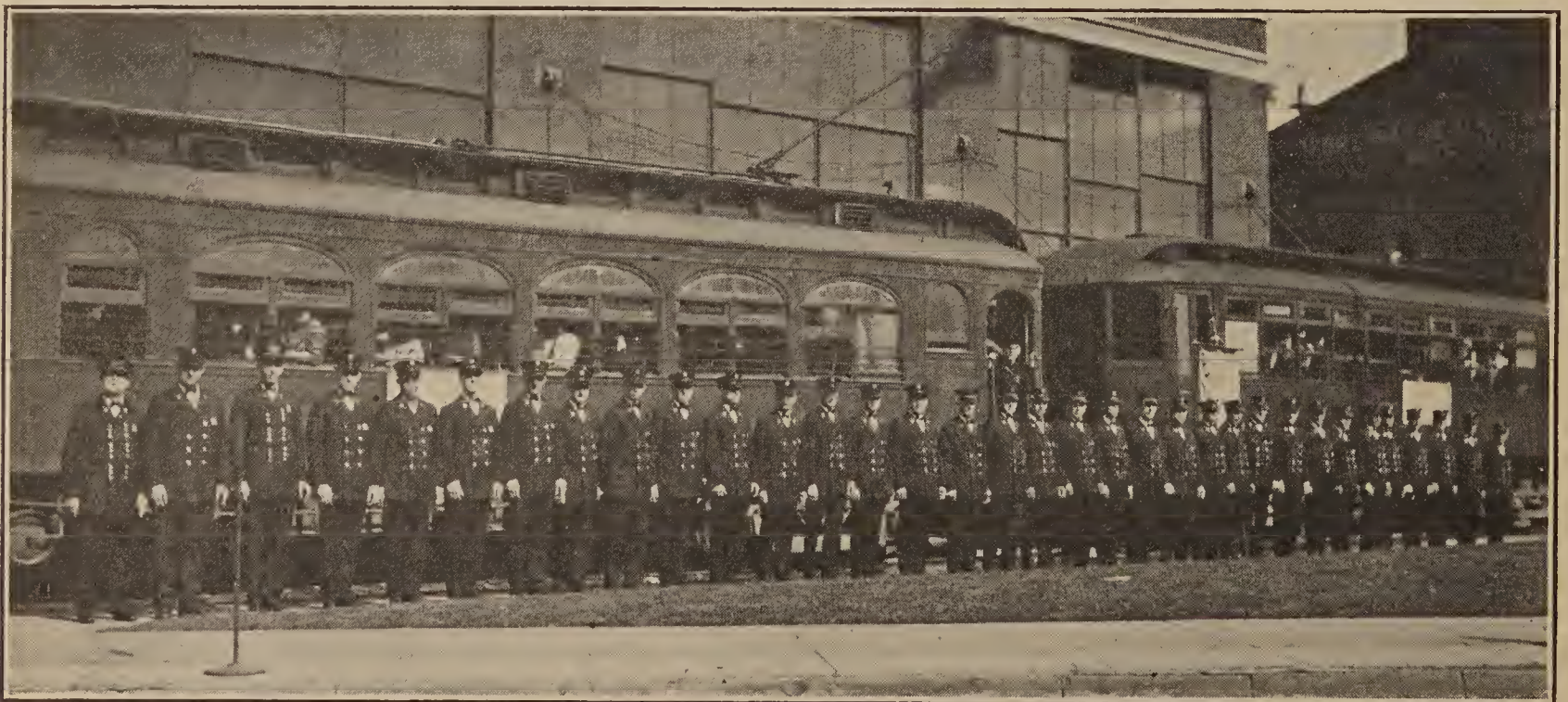
As Our Cartoonist Sees Our Works Fire Department.

Over Eighteen Hundred Employees Receive Compensation

The distribution of the five per cent supplementary compensation for the six months ending June 30th, was shared in by eighteen hundred and forty employees of the Fort Wayne and Decatur Plants. The amount distributed here August 3rd, was over sixty-seven thousand dollars.

As most of our readers know, this supplementary compensation is paid to employees who have completed at least five years of service before the last day of the period which the compensation covers. For example, the distribution made August 3rd, covered the period January 1st, to June 30th of this year; hence, all who had completed at least five years of service on June 30, 1925, and were still in the employ of the Company on August 3rd, shared in this distribution.

The supplementary compensation is paid by the Company in appreciation of the fact that the steady employee, that is, one with several years of experience, is more desirable than the employee without this first hand experience and general knowledge of his work and of Company affairs. It is hoped it may encourage others to remain in this Company's employ and thereby reduce the so-called "labor turnover" which is an appreciable item of expense to all employers of labor. That it is encouraging employees to think more seriously before they change employers, is indicated by the fact that for the period of July 1st to December 31st, 1924, inclusive, there were only 1,739 employees sharing in the distribution. The total amount then distributed was approximately fifty-seven thousand, eight hundred dollars. In recent distributions, employees have been given a choice between cash or the bonds of the G-E Employees' Securities Corporation.



CHIEF PAUL GRIMME AND HIS FIREMEN AS THEY WERE READY TO BOARD CARS FOR HARTFORD CITY CONVENTION, WHERE THEY MADE AN ENVIABLE SHOWING.

Consumers Power Company Wins C.A. Coffin Medal and \$1,000 Cash Award for Employees' Benefit Association

BY making satisfaction and service to its patrons its chief aim, the Consumers Power Company of Jackson, Mich., was awarded the Charles A. Coffin Medal at the annual convention of the National Electric Light Association at San Francisco on June 17th. The award was made by Franklin T. Griffith, as chairman of the association's Charles A. Coffin prize committee.

This is the third annual award of the medal made available through the creation of the Charles A. Coffin Foundation by the General Electric Company. The first was to the Southern California Edison Company, and the second to the Public Service Company of Northern Illinois.

The Consumer Power Company now serves more than 170 communities, and its customers total more than 200,000, which, according to Mr. Griffith, represents a growth of more than eleven per cent over the preceding year. Eighty-seven per cent of the homes in its territory are now electrified.

During 1924 this company concluded a home service survey, its representatives vis-

iting more than 167,000 customers. Of this number, 98.4 per cent expressed satisfaction with the service rendered, a decrease of 57 per cent in the number of complaints over 1923.

Mr. Griffith also pointed out that this company during 1924 had built more than 244 miles of transmission lines and five new substations, spending more than \$12,700,000 to improve its service.

In its campaign for customer ownership, the company showed a gain of 55 per cent in the past year, and now has a total of 17,966 customer stockholders. In addition, the company has increased the number of employees owning stock by more than 23 per cent.

"In practically every field," declared Mr. Griffith, "this company has shown a consistently progressive method and policy, and the results can be called outstanding in every sense of the word."

With the gold medal award was a check for \$1,000 from the Coffin Foundation, to be given to the Employees' Benefit Association of the Consumer Power Company.

Transformers Designed and Built Here Featured in G-E Advertising

Our attention has just been called to the fact that power sizes of transformers designed and built here, are prominently in evidence in current advertising of our Company. One double page advertisement is scheduled to appear in *Electrical World*, *Journal of Electricity*, *Industrial Engineer*; and *Electric Railway Journal* features an outdoor station of the Municipal Gas Company of Albany, N. Y., in which there are three big transformers, 1,000 KVA, 13,400 to 6,900 volts, single-phase, designed by F. M. Hansel of our Transformer Engineering Department and built in our local Plant. The other advertisement, a double page spread of another complete outdoor station, shows four transformers of 1,750 KVA, 27,940/48,400 V to 2,300 volts, single-phase, designed by the same engineer and built here in our Plant. This latter installation is one owned by the Wisconsin Valley Electric Company. Both of the advertisements feature the slogan, "To the Last Bolt It Can Be G-E," and the last one also bears the suggestion that every operating company should always take full advantage of the best in research and engineering—a very nice indirect compliment to this engineer who designed the apparatus.

Banquet and Initiation Featured Meeting of Apprentice Alumni

The Apprentice Alumni meeting held Tuesday evening, July 21st, in the Elex Club rooms, was a decided success.

The meeting was started with a banquet which was a real feed. After the banquet the regular business meeting was held, in which it was decided to have a picnic for all members and their families, sometime within the next month, if satisfactory arrangements can be made. Final arrangements including the time and place were left to the entertainment committee under the direction of Delbert Roloff as chairman. President C. Willard Hale announced that the feature of the October Alumni meeting would be a mock trial. Glenn W. Kline, Marcellus Magers, Paul Menze and James Hartzell were initiated into the mysteries of the association, following the business session.

B. J. Griswold, who was scheduled to give a talk on prehistoric animals, was unexpectedly called out of town. Although we regretted this, we were not absolutely disappointed as Karl Schlenker took Mr. Griswold's place and gave the talk in fine style. We are proud to have such an eloquent speaker as Karl in our midst.

Messrs. E. A. Barnes, W. J. Hockett and O. L. Weitzman gave short talks in which the many advantages of a graduate of the General Electric Apprentice Training System were stressed. This fact is becoming more evident every day as some of our members are gradually being advanced.

Will Superchargers Be Used On Pleasure Automobiles?

By DR. SANFORD A. MOSS,
Thomson Research Laboratory, General
Electric Co.

SUPERCHARGERS have come prominently to the fore as necessary parts of racing automobiles, and more and more thought is being given to them as desirable additions to pleasure automobiles. In the two most prominent races held so far this year, the 500-mile Memorial Day classic at Indianapolis, and the 250-mile race at Altoona, on June 13th, first place was won in each case by Peter De Paolo, driving a Duesenberg car which was equipped with a new type of centrifugal supercharger, geared to the engine. Many of the cars in last year's race, and practically all of them in the races this year, had superchargers.

Some time previous to the race, the General Electric Company was asked to give special attention to an outfit for De Paolo's car and the General Electric engineers devoted special attention to making his supercharger with a little bit higher speed and a little better efficiency than anything ever before made. Of course, the skill of the driver and the service given to the car before and during the race, had a great deal to do with the successful outcome and the supercharger was, by no

means, the only element which contributed to the successful result. Nevertheless, the performance has brought the supercharger into the limelight. Many questions are being asked as to the proper field for the supercharger and as to whether or not it will ever be a factor in regular automobile work. At the present time, no definite answers to these questions seem possible. It is interesting, however, to speculate in the matter and to discuss the various pros and cons.

Superchargers of different types, arranged according to a number of systems, have been used on various types of internal combustion engines for many years, and a great deal of development work has been done and is still in progress. As a net result, three applications have definitely established themselves.

The first is the use of a supercharger for airplanes flying at moderate or high altitudes. This work has been done by the eminent engineer, Rateau, in France, and by the General Electric Company in the United States. In this case, the supercharger has been a high speed centrifugal

(Continued on Page 9)

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll.....Chairman
E. A. Barnes.....R. F. Harding
X. J. Divens.....Editor
Alvin Konow.....Distribution

SECTION EDITORS

W. J. Hockett.....Industrial Service
E. L. Misegades.....Safety
Flora Boerger.....Girls' Department
Wade Reed.....(G-E A. A.) Athletics
Robert White.....Decatur Works

REPORTORIAL STAFF

H. A. Wilding.....Electro-Technic Club
LaVera Vail.....Elex Club
Carrol Blincoe.....Apprentice Association
Fred Duryee.....Foreman's Association
Fred Duryee.....Volunteer Fire Department
John L. Verweire.....Band
J. E. Hall.....Quarter Century Club
Edward Witte.....Mutual Benefit Association
E. G. Stock.....Apprentice Alumni Association
E. L. Misegades.....G-E Squares
Irene Fox.....Absent Employees

Vol. 9 AUGUST, 1925 No. 8

STATISTICS show that the earning power of the average individual is directly proportional to the education received by the individual. Thus a person who has a common school education will receive wages during his life time which will total several thousand dollars above wages received by the individual who is illiterate. Likewise the high school graduates may expect to earn several thousand dollars more than the common school graduate. The high school graduates will in turn be surpassed in earning power by the college graduate.

The earning power of the average educated individual increases year by year until his retirement and is not much affected by his physical condition. The man who works at unskilled labor finds that as his bodily strength decreases so does his earning power. The average manual laborer reaches his greatest earning power in his forties. From then on his salary decreases until he is unable to work.

For many the chance to complete high school or even common school is past. As these opportunities are gone the worker must look in other directions. All education is not given in schools. Experience is a good teacher and each individual can improve himself by keeping mentally alert to the things that happen about him. The libraries have shelves and shelves of books waiting for the seeker of knowledge.

The General Electric Company offers, through its educational departments, varied opportunities for those who wish for more knowledge.

The night school courses offered are especially adapted to the needs of the employee who wishes further education to help him rise to a higher level. It is pointed out in an article elsewhere in this issue that tuition for night school courses has been decreased to the extent that there

is no cost to the student who reasonably applies himself to his study.

Those who enroll in these courses will be taking a step in self-advancement which if continued will lead to success.

GROUP LIFE INSURANCE

Deaths Reported for May, 1925

Employees	Died	Beneficiary
<i>Schenectady</i>		
Ignatz Kalinowski	Mar. 29	Children
Wm. Malek	Apr. 10	Daughter
Thomas J. Lyons	Apr. 21	Dep't Sister
Guissippi Perrene	Apr. 28	Mother
Edwin E. TemBroeck	May 3	Wife
John L. Rourke	Apr. 28	Mother
Dominick DeMarco	May 4	Wife
Harry M. Kaupp	May 4	Wife
Lawrence O'Brien	May 9	Wife
Thomas J. Glavin	May 16	Wife
Augustus L. Ergman	May 16	Wife
August H. Kruesi	May 7	Wife
<i>River Works</i>		
Alfred Baldwin	Mar. 25	Mother
John Spencer	May 13	Son
Alvan S. N. Estes	May 18	Wife
<i>W. Lynn Works</i>		
Mary St. George	Apr. 4	Mother
Patrick Despres	May 16	Wife
George C. Perry	May 17	Wife
Chas. R. Nelson	May 21	Wife
<i>Pittsfield</i>		
Biagio Finizola	Apr. 21	Wife
<i>Erie Works</i>		
Antonia Piazza	May 7	Wife
Total—21 Deaths		\$29,250.00

Deaths Reported for June, 1925

Employees	Died	Beneficiary
<i>Schenectady</i>		
Nicolo Lewcket	Apr. 26	None
Chas. McGregor	May 20	Wife
Louis E. Peare	May 29	Wife
Adam Wrana	May 28	Wife
Joseph Kretz	May 29	None
J. Wesley Ash	June 1	Wife
Emmett W. Vroman	June 2	Wife
Alexander Coulter	June 4	Wife
Geo. H. VanDyke	June 7	Wife
Wm. Richards	June 7	Wife
Hugh J. O'Neil	June 7	Wife
Mathew Fleming	June 7	Mother
Louis Meyers (Da'Gostini)	June 9	Son
Antonio Florio	June 9	Wife
Wm. S. Wilson	June 10	Wife
Peter K. Sorensen	June 12	Wife
Lillian A. Duffy	Apr. 30	Dept. Sister
<i>River Works</i>		
Thomas W. Todd	Mar. 11	Dept. Sister
John E. Daley	May 31	Wife
James McKinley	June 4	Wife
John J. Walsh	June 4	Wife
Wm. H. Lyons	June 11	Wife
Albion Goldthwaite	June 14	Friend
Orazio Nobile	June 20	Wife
<i>Pittsfield</i>		
John J. Judge	May 24	Mother
Alice I. Barron	June 28	Mother
John Long	June 1	Son
Frank Callahan	June 9	Mother
<i>Fort Wayne</i>		
Eugene C. Potter	May 2	Wife
John Wraight	May 16	Wife
Eleazer C. Jackson	June 17	Wife
<i>Erie</i>		
Stella I. Landis	June 2	Daughter
John F. Miller	June 5	Father
<i>Bloomfield</i>		
Daniel J. Overend	June 17	Wife
<i>Bridgeport</i>		
Alexander Ladutko	May 25	Sister
<i>Baltimore</i>		
George Shaw	June 10	Wife
<i>Philadelphia</i>		
Thos. A. Smith	June 1	Daughter
<i>New York</i>		
Alfred E. Braddell	June 8	Wife
Total—38 Deaths		\$46,100.00

Notice, New Employees!

The G-E Employees' Securities Corporation offers you an opportunity to buy its bonds for cash up to \$500.00 worth in any one year after you have been in the G-E employ for six months. These bonds will earn you eight per cent a year as long as you, the original purchaser, retain them and continue in the employ of the General Electric Company.

Inquire of the Industrial Service Department, the cashier or any member of the committee named below.

Buy bonds and watch them grow.

Help them grow by signing an interest order.

BOND COMMITTEE,
MISS GERTRUDE TRAXLER,
MESSRS.

W. J. HOCKETT,
M. F. EINSEIDEL,
F. G. DURYEE,
N. J. DIVENS,
J. J. KLINE, Chairman.

Are You Building a Home?

Get a Home Lighting Primer

If you are planning to build a home and want to know the best in home lighting devices and equipment, get a Home Lighting Primer from W. J. Hockett, Building 19-1. When you have studied this little book from cover to cover, you will know enough about home lighting to make a choice of lamps and fixtures that will serve you efficiently and will enhance the beauty and attractiveness of your home.

Perhaps you have a home and are planning to re-wire it for the better use of electricity. If so, the Home Lighting Primer will probably influence your plans in the right direction.

There were a number of these primers left over from the recent Home Lighting contest and they may be had for the asking. If you have no other use for one of these instructive booklets, drop into the Industrial Service Department, and take one home to the children. They will enjoy cutting out the pictures and making a study of lighting in the home.

When Safety Work is hitting on all cylinders, accidents disappear.

What we call bad luck is often the result of poor judgment.

Always alert—nobody hurt.

A ccidents
U nnecessary
G rievous
U nwelcome
S erious
T roublesome

Don't think a train has passed just because you see its tracks.

Some fellows who couldn't see the need of goggles, can't see anything now.

Awards on Suggestions

THE Committee on Suggestions announces the following awards made on suggestions up to July 29th:

William Archer and Ralph Mennewisch, of the Fractional Horsepower Commutator Department, Building 4-3, an award of \$15.00 each on three suggestions on an automatic fixture for pressing on the spring rings on SDA commutators. Their suggestions make it possible to press on these rings in considerably less time than was formerly used.

Fred Kruse, an award of \$20.00 on a method of removing the burr on fractional horsepower brushholders while they are being made on automatic screw machines. This burr was formerly removed by hand methods with considerably more labor. Mr. Kruse is an employee in the Brushholder Department in Building 4-3.

William Hohnhaus, of the Meter Experimental Machine Department, Building 19-4, an award of \$15.00 on a new type of switch for the new elapsed time switch. The switch designed by Mr. Hohnhaus is an improvement over the one formerly used.

Donald B. Voorhees, Meter Winding Department, Building 19-4, an award of \$10.00 on a jig for grinding M-9 pole pieces in multiple.

The following persons were given awards of \$5.00 each on the suggestions listed below:

E. V. Ball, Tank Shop, Building 27, on a method of repairing tips for oxyacetylene torches used in welding.

Glen C. Ruppel, Meter Automatic Screw Machine Department, Building 26-4, for reducing the size of stock used in making the collars for phonograph motor governors.

C. R. Hudson, Shipping Department, Building 6-2, on a container for shipping certain contact blocks made in the Meter Department.

Howard L. Jones, Fractional Horsepower Motor Automatic Screw Machine Department, Building 4-3, on oil drip pans for the turret handles on certain lathes in Building 4-3.

Herbert Grueb, Shipping Department, Building 6-2, on a rubber stamp to indicate the articles packed on requisitions in the Shipping Department.

Harry R. Beitel, Meter Test, Building 19-5, on discontinuing forming of loops on ends of leads on TM-3 relays made in the Meter Department.

George Huber, Mica and Insulation Department, Building 10-3, for guards for gears on Oswego cutting machines located in Building 10-3.

E. A. Kinney, Blacksmith Shop, Building 27, on improving the exhaust outfit for case hardening furnace in Building 27.

Lewis Hickernel, Fractional Horsepower Motor Inspection Department, Building 4-4, on changing the location of the time clock on the south end of Building 4-4.

Ed. Petrie, Induction Motor Paint Department, Building 19-1, on making a permanent pay station in Building 19-1.

Technical Night School Program Enlarged

Greatly Reduced Tuition Prices in Effect This Year

A GENERAL revision is being made in the courses of study to be offered during the coming year by the General Electric Technical Night School.

The two terms which make up the school year have each been reduced in length from sixteen weeks to twelve weeks. The Fall Term is to open September 28, 1925, and is to close December 21, 1925. The Spring Term is to open January 4, 1926, and is to close March 29, 1926.

Classes will meet once each week instead of two times per week as has been the case in the past. Class periods have been increased in length from one and one-half hours to two hours.

Several new courses which it is thought will be enthusiastically received by the employees have been added. Typewriting and Stenography are to be offered to the women of the Plant. Public Speaking, another new course, should have a wide appeal to those who wish to develop their ability to effectively express themselves in public.

The courses that have been given before and are to be offered again are: Elementary Electricity, Direct Current Electricity, Alternating Current Electricity, Blue Print Reading and Arithmetic, Drafting, Algebra, Trigonometry, and Mechanics.

Tuition has been reduced from \$10 per course, with a refund of \$4 for eighty per cent attendance, to \$4 per course, with a refund of the entire amount for completing a course with a grade of seventy per cent. The tuition is charged merely as an expression of the student's intention to avail himself of the instruction provided by the Company. The change in tuition enables any employee to get valuable instruction with no cost except for textbooks if he will devote a reasonable amount of effort to his studies.

A booklet containing full information of the General Electric Technical Night School is being published and will be distributed to employees with the September issue of the Works News.

It has been found that rickets, bone disease, and other ailments formerly attributed solely to under-nourishment often result from the absence of ultra-violet light. The medical profession is using ultra-violet rays with frequent success to cure such diseases and to combat superficial lesions, and to build up deep-seated infections, tubercular and other.

It took an undertaker, Almon B. Strowger, of Kansas City, to reach the decision that the manual systems of telephone operations should be replaced by some method whereby subscribers could set up and release telephone connections for themselves and thus dispense with the services of operators. It may seem strange that an undertaker should invent an automatic telephone but Mr. Strowger did it, and was awarded a patent in 1899.

Mr. Goll's Story of Industrial Conditions in Europe

(Continued from Page 3)

soles and leather tops over the front of the foot. Many of the women wear no stockings and some are barefooted.

For the lesser salaried employees wages are entirely inadequate and resort is had to all sorts of expedients to supplement their earnings, such as outside work consisting of bookkeeping, copying, translations, drafting, etc.

In Berlin and many of the other large cities of Germany the workers are housed largely in apartment buildings, there being few detached individual or two-family houses as we know them. Practically every vacant piece of ground in these cities is divided into small plots which the workers in industry rent and cultivate intensively as vegetable gardens. In this manner the workers in the shops and the lesser salaried employees supplement their earnings. These gardens are cultivated largely by the women of the household but in addition the men work in these gardens after returning from the shop, as daylight lasts until about ten o'clock in the evening. It is very evident that most of these people are earning only sufficient for a bare existence in a scale of living materially below existing standards in America.

In most of the other countries we visited working and living conditions and rates of wages are not far different from those obtaining in Germany, except in England, where though the rates are somewhat higher, they are still considerably below those of our own country, and unemployment is much worse.

These factories are made up partly of old buildings but most of the shops are fairly new and modern in construction. A very noticeable feature was the remarkable cleanliness with which all offices, shops and yards are maintained, particularly in Germany. Walls and floors were kept clean and free from rubbish; work in process and raw materials, such as castings, were neatly arranged, and most of the plants showed evidences of great orderliness. Much of the equipment of these shops is old, and pretty well worn, and their methods in the use of these tools are not very well up to date. However, they are beginning to buy new tools of modern type and to adopt improved methods of using these tools, are installing conveyors in their mass productions and are redesigning much of their product to reduce costs. These advances in method, together with their low rates of wage, result in costs considerably lower than ours, notwithstanding our superior methods and the greater intelligence and productivity of our skilled artisans, and this enables the Germans to undersell us in many of the world's markets. We can save our own local market by adequate tariff protection but there is a serious question if we can successfully meet this competition in foreign markets.

As already suggested, taxes are very high in England, and only slightly less so

in other countries, resulting largely from the great debts incurred during the war.

Our party spent practically all of its time in these investigations, with little opportunity for recreation or sight-seeing, though we did take occasion to visit and go through the palace of the late Kaiser at Potsdam, and the palace of the former kings of France at Versailles. While they are beautiful and imposing structures, they impressed us very forcibly as monuments to the ambitions and vanities of a favored few, built from taxes wrung from a down-trodden and enslaved people. Experiences of this kind confirm any intelligent person in the belief that after all American institutions and conditions afford the maximum of prosperity and happiness.

WALTER GOLL.

A Stag Picnic Next Foremen's Club Event

"Don't Forget the Date," Says Secretary L. D. Platt

RIGHT from work in machines to the Zimmerman cottage up the St. Joe River for an afternoon picnic, is the program of our foremen for the afternoon of August 8th. It is to be another one of those greatly anticipated stag picnics and there is little chance that any member of the club will forget the date. Dinner at 12:30 means that no time is to be lost in getting out to the grounds.

After the dinner it is probable no time will be lost by the horseshoe enthusiasts in starting that sport. Probably it will be a little late in the afternoon before the old rivalry between the east and west sides of Broadway will be fought out in a fast and exciting baseball game. To settle between individuals any argument as to who might be the better man, there will be various races and athletic contests. Definitely on the program are a fat man's race and a lean man's race as well as a strong arm testing event, called the "Shot Put." In Secretary L. D. Platt's announcement of the party is a statement, "Races of all kinds," which probably means there will be races for every member of the club.

Probably however, the big event of the afternoon will be the ball game mentioned above. Fred Schafenacker will captain the east side team, while Oscar Weitzman will pilot the west side boys in their endeavor to reach the home plate a greater number of times.

The selected place of assembly for the foremen going on the trip, is Wall Street, where autos will be ready to accommodate the whole crowd. The foremen will assemble there promptly at 12:00 o'clock, so this will explain any excitement to be noticed on Wall Street when you leave work at noon on Saturday, August 8th.

The man who is too busy to think of safety may have plenty of business in the hospital later on.

Money will buy a lot of things but it can't buy spare parts for your body that are as good as the original ones.



BERNARD BARVA
Graduate Apprentice



HOWARD RUHR
Graduate Apprentice

Two Apprentices Graduate Six New Apprentice Students

Two apprentices, Bernard Barva and Howard Rohr completed the Electrical Tester course during the past month and each received with his diploma a seventy-five dollar bonus for having done highly satisfactory work in both shop and class room.

Mr. Barva is an Allen County boy. He attended the Thomas grade school and the Leo High School, graduating from there with the class of 1922. He has been assigned to work in the Transformer Drafting section under the direction of Elmer Zelt.

Mr. Rohr was born in Union County but attended the Fort Wayne grade and high schools. He has been assigned to work in the Meter Test, under Foreman Lauren Klingman.

Paul J. Orth, Travis Ray, Clinton Tobias, Orville Johnson and William F. Rinard have all enrolled in the four-year machinist and toolmakers' course since the July issue of the Works News went to press.

Mr. Orth had his early training at St. Peter's grade school and two years at St. Mary's High School before taking up the apprentice work here.

Mr. Ray was born in Oklahoma, but received his preparatory school training in the Portland, Indiana, grade schools and high school. He has been working here since 1923, but was transferred from the Insulating Department under Foreman F. G. Fleming to the apprentice work on June 22nd.

Mr. Tobias was born in Michigan but attended the grade schools in Etna Green, Indiana, and came to our city to take up the apprentice work on June 25th.

Mr. Johnson comes to us from Wren, Ohio, where he received his common school training and three years of high school work. He enrolled in the apprentice work here on June 24th.

Mr. Rinard was born at Mt. Vernon, Ohio, but attended the Millgrove grade schools and graduated from the Dunkirk, Indiana, High School with the class of 1925. He was enrolled in the apprentice school here on June 29th.

The new draftsman apprentice is Lowell H. Devore, who was born in Hicksville, Ohio, but attended the Sherwood public grade school and graduated from the Sherwood High School with the class of 1925. Wishing to take some practical as well as further theoretical training he came to us on July 7th and enrolled in this special three-year apprentice course.

Future of Farm Electrification Promising

Permanent good is sure to come of the present co-operative investigations of the use of electricity on the farm, according to L. T. Taber, master of the National Grange. Mr. Taber, in an interview just published, says:

"A generation ago it would have been supposed that electrical development and the use of electrical energy was of little concern to the farmer; that those in cities and towns were more vitally interested in this mighty and mysterious power than those who till the soil.

"The last decade has seen a transformation along the lines of the use of electricity in farm houses and farm work. The farm electrical plant has been most valuable. The farmer in many sections will be vitally concerned in the development of high tension power lines and proper transmission of electrical current for rural uses.

"It is probable that we are yet in infancy in the use of electricity. This is obviously true as applied to agriculture. Any organization that directs its attention toward a better understanding of the relation of electricity to rural life, will perform an invaluable service."



GEORGE WOOD

George Wood, Foreman of Old Arc Test, Retires

Recently, George Wood, who will long be remembered as the foreman of the old arc test, retired. He came to the employ of the Fort Wayne Works in May, 1890, at the time his brother James J. Wood came to the young industry here as chief electrician, and served here continuously until the time of his retirement, approximately thirty-five years.

In the early days our older employees will recall that the principal products of the plant were the "Wood" Arc Generators and the "Wood" Open Type Arc Lamps. The larger generators delivered 10,400 volts direct-current and carried as many as one hundred and thirty 6.5 ampere, 2,000 candle-power arc lamps. These generators were tested on an arc lamp load before they were shipped and then there was the test also of all arc lamps manufactured and those returned for repair. The old test therefore, was a blaze of almost blinding light, all day long and many times into the night. This intense light shining from the windows and skylight of the building where they were tested, was such a striking sight that people generally came to refer to our plant as "The Lights." This name was the one commonly heard about town only a relatively few years ago, and even now some of the older inhabitants may occasionally refer to our plant by this name. Therefore George Wood's work of testing the arc lamps indirectly had to do with the popular naming of our plant as "The Lights."

For years Mr. Wood has made his home at 1115 Fulton Street. No doubt his many Works acquaintances will see him frequently about town in the years to come.

Ability to stop a car is ten times as important as ability to start it.

G-E Squares Hope to Increase Membership

New Students Arriving

THERE was no July meeting of the Squares, vacations and Fourth of July celebrations being the chief reason for not having it. However, regular meetings will be resumed in August and we are looking forward to a bigger year in Squares' activities.

Our membership is slightly depleted at the present time but this will be augmented by the arrival of the recent university graduates that are arriving to take up work in the student course.

Leo Branovan, student engineer, left our ranks July 1st, to take a position in the engineering offices of the Milwaukee Railway, Light, and Power Company. He is located in Milwaukee, Wisconsin, his home town.

Frank Lisman has been transferred from the student course to the engineering office of the Building and Maintenance Department. He is assisting R. Wylie, plant electrical engineer.

R. E. Coates of the Transformer engineering office, spent the first two weeks of July at his home in Prairie du Chien and other points of interest in Wisconsin.

The following engineering graduates have arrived to take up the student course: Eugene Woodworth, of Iowa State College; George Gettel, of Illinois University; Stanley Starr, of Purdue University, and John Stevenson, of Ohio State University.

E. J. Thomas, instructor in the apprentice school, spent his vacation, the first two weeks of July, visiting relatives and friends in Madison, Delavan and Milwaukee, Wisconsin.

W. E. Winterhalter has been transferred to the Company's engineering office at Chicago and will do service work on transformers, alternators and refrigerating machines.

A wedding which came as a surprise to the many friends of Wayne Morrill of the Fractional Horsepower Motor Engineering Department, took place on June 30th, when Miss Olga B. Welch, daughter of Mr. and Mrs. F. C. Welch of the Lower Huntington road, became his bride. Following a short trip to northern Michigan, the Morrills are temporarily making their home on South Broadway until their new home is completed. Both the bride and groom are graduates of Central High School. The bride is a graduate of Franklin College, and is a member of the Delta Zeta national sorority, while the groom is a graduate of Purdue University. The best wishes of the Squares members go with them for a happy married life.

E. C. Thompson, of the Transformer Engineering Department, spent the week of July 20th taking in the sights at Niagara Falls and points near there.

M. N. Brayer, a graduate in Mechanical engineering, Purdue University, class of '25, is employed as heating engineer in the Building and Maintenance Department.



BENJAMIN C. KROCK

B. C. Krock a New Member of Quarter Century Club

The latest employee of our local plant to qualify for membership in the Quarter Century Club is Ben C. Krock, of the Meter Stock Room, Building 19-5. Possibly there is no one in our local plant who is more familiar with the parts that have gone into the meters manufactured here, for Mr. Krock's first introduction to our meter product was back in 1900, when under Foreman John J. Bauer he started winding current coils for the old "Duncan" meters. When the type K meters were first brought out, Mr. Krock was promoted to the stock room and given charge, a position he has held to the present time.

Mr. Krock is now in his fifty-third year, the date of his birth being September 28, 1872. He completed his twenty-five years of service here at the G-E on July 9th of this year.

Superchargers on Automobiles

(Continued from Page 5)

compressor, consisting of an impeller wheel of special design and mounted in a casing with vanes especially arranged to stimulate vortex motion. In a general way, the apparatus resembles the ordinary fan blower. However, the speed and other elements of the design are such as to produce very high pressures. This centrifugal compressor is driven by a turbine wheel actuated by the red-hot exhaust gases of the airplane engine. The two wheels are located on a single shaft, which rotates at speeds varying from 23,000 to 41,000 R. P. M., the atmospheric density at 20,000 feet elevation is but half that at sea level and without a supercharger, the airplane engine would receive its charge at half normal density and would deliver about half of the sea level power. The supercharger centrifugal compressor compresses the air from

the low density at high altitude to sea level density, and so supplies the engine with exactly the same charge as it would receive, were it at sea level. In order to do this, the engine exhaust is trapped in a manifold, within which is maintained sea level pressure. The exhaust gases are led to the turbine wheel, so as to furnish the power to drive it by means of the drop in pressure from the sea level value within the exhaust manifold to half of this pressure in the surrounding atmosphere of 20,000 feet altitude. Hence, in spite of the fact that the airplane is flying in a region where the density is half that of the sea level, the engine inlet pressure and the engine exhaust pressure are both the same as at sea level. Hence the engine is affected not at all by the altitude and continues to deliver sea level power.

This process was made commercially successful just at the end of the war and many machines have been successfully operated since the war, in both France and America.

The second application of supercharging to obtain commercial success, is its use with Diesel engines; mainly for ship drive but also for land drive in many cases. The supercharger in this case has been of the same general type as in the preceding case, although of somewhat larger size and lower speed. It has usually been driven by a direct current motor, operating at one to six thousand R. P. M. Most ships now being laid out are provided with Diesel engines and the engines in most of these installations, are being provided with such superchargers. This has resulted in a notable increase in speed and power so that the supercharged Diesel engine now bids fair to supersede all other types of drives for ship propulsion.

The third application is the use of superchargers on racing automobiles. The maximum displacement to be allowed in an auto race has been successively decreased each year. Without a supercharger, the power of the engine is limited to the amount of charge which the pressure of the atmosphere can force into the cylinder through the carburetor, intake manifold and valves. A supercharger provides additional pressure to force the charge into the cylinder, so that a great amount can be used, in proportion to the amount of pressure given by the supercharger. In all cases the supercharger for a racing car has been driven by means of gearing from the engine crank shaft. The superchargers in most of the early European cars were of a type called "Roots Blower" or "Positive Pressure Blower." This consists of a pair of gear-shaped rotors, each with two teeth, which positively trap a certain amount of air and then push it into the engine cylinder. The Fiat car in the recent Indianapolis race was of this type.

So much for what has been done. What does this mean, so far as the pleasure automobile is concerned? The requirements differ greatly from those of an airplane engine, a Diesel engine, or a racing auto engine. Mere increase of intake manifold pressure without other changes, will result merely in increase of power at maximum

speed, possibly with introduction of pre-ignition. Can the supercharger be made to give increase of torque at low speeds? If a supercharger will enable a pleasure automobile to give a better performance, how should it be driven; by gearing, by an exhaust gas turbine, or by separate motor? Can an apparatus of sufficient power to appreciably affect the performance of an automobile be manufactured at an attractive price? Some racing cars have attempted to solve the supercharger problem by the use of a fan from a vacuum cleaner, which was designed to give a gentle flow for parlor rug. Such a device can, of course, have no appreciable effect on automobile performance. A device of sufficient power to give an appreciable effect on maneuverability and performance in general, will have to give a high pressure and will presumably rotate at a high speed. Can such a device be constructed, so as to become a commercial proposition on an automobile engine? Can the red-hot exhaust gases be utilized to drive the turbine wheel, as in the case of an airplane engine? All of these questions are being discussed by automobile manufacturers at the present time and no conclusive answer has yet appeared. It will be interesting to observe the results which the future will bring forth.

Among Our Absent Employees

Ferdinand Kaade, of 2625 Thompson Avenue, an employee of our foundry for the past thirty-two years, has been quite ill for several weeks suffering from a nervous condition. The personnel representative visited him recently and found him feeling some better but doubtful as to when he would be able to return to work. He is planning on staying at home for at least another month in the hope that the rest will be of benefit to him and that he then can return to his duties fully recovered.

Miss Esther Ehle, residing at 2601 South Broadway and employed in the Small Motor Department, has been unable to be at work for some time because of illness. The latest report from her home is that she is greatly improved, and expects to return to work about the middle of August.

Mrs. Augusta Thieme Curran, of the Insulation Department, Building 10-3, is at the Lutheran Hospital recovering from an operation. Augusta has been absent from work for some time but was just recently moved to the hospital. Her condition is somewhat improved and she is hoping to leave the hospital for her home at Weisser Park Avenue, in a short time.

Geo. Block, employed in the Carpenter Department, Building 10-1, is now at his home, 315 Dawson Street, following an operation for bladder trouble. Mr. Block reports that he is feeling fine and he is hoping to be back on the job in a short time.

Pat Buckley, employed in the Machine Department, Building 17-1, and residing at 427 Bass Street, is again confined to his home by a severe cough following an attack of the "flu." Mr. Buckley has made

several attempts to return to work since he had influenza last spring but he finds that it is impossible to overcome the cough while at the Plant, so he is following the advice of his physician and is staying at home until he is pronounced cured. We all hope that the length of disability will not be long for we are all anxious to see Mr. Buckley back at his work.

Wm. Reed, a machine operator in the Meter Department, Building 26-4, has had an unusual amount of bad luck recently. Mr. Reed was confined to his home at 1206 Wall Street, for about four months by an attack of arthritis in his right knee and had only returned to work about two months ago when he was obliged to remain at home again because of the infection settling in the left knee. We are mighty sorry to hear of your misfortune, Mr. Reed, but hope that you will not be forced to remain at home as long as you were from the first attack.

Edith Schreiner, employed in the Small Motor Department, Building 4-4, is a patient at the St. Joseph Hospital, having submitted to an operation for appendicitis. The personnel representative visited her recently and found her very much improved and hoping to leave the hospital in a short time for her home at 2144 Miner Street.

Agnes Ness, of the Transformer Department, Building 26-2, has been confined to her home at 1359 Huestis Avenue, for the past month suffering from nervous trouble. While the rest has done her a great deal of good, still she expects to remain at home at least another month before she attempts to return to work.

Estella Morrolf, employed in the Insulation Department, Building 10-3, has been absent from work for several weeks nursing an injured arm. Estella was so unfortunate as to slip and fall while trying to get out of a boat at a nearby lake, and tore all the ligaments in her arm. While she has been suffering a great deal of pain, she expects that it will not be long until she will be able to return to work.

Helen Welch, stenographer in the Building and Maintenance Department, Building 18-1, is at her home at 2708 South Hoagland Avenue, taking a much needed rest. Helen has been very nervous for some time, but kept on going until she was finally ordered to bed by her physician. She is feeling a great deal better according to reports from friends who have been visiting her.

Friends of John Mullen, a former employee of the Meter Department, Building 19-B, will be interested to learn that his condition has been very much improved since he went to the Irene Byron Sanatorium for treatments. He is now able to be around a few hours each day and is quite anxious that his friends drop in occasionally to see him, as he is always anxious to hear what is going on around the Plant.

Fred Krudop, employed in the Small Motor Department, Building 4-5, under Foreman F. C. Korte, has been granted a three months' leave of absence on account of ill health. Mr. Krudop resides at 3122 South Calhoun Street.

The Salesmen's Convention Twenty-Seven Years Ago

TWENTY-SEVEN years ago, the group illustrated on this page was assembled here for what proved to be the last sales convention of the Fort Wayne Electric Corporation. The picture of the group, however, is especially interesting as it shows a number of the men who were then responsible for the destinies of our Works; and moreover gives us interesting views of a few men who are still our co-workers in the General Electric Company.

Third from the left in the row of men standing is T. J. Ryan, then manager of the Cincinnati office and still a member of the Cincinnati office force, giving special attention to products of our Fort Wayne Plant. Ninth from the left standing, is James J. Wood, consulting engineer at our Plant, then known as "Chief Electrician," the title given the designing engineer. Next is R. T. McDonald, the president of the Fort Wayne Electric Corporation, a man of unusual ability as an organizer and the man who provided the factory facilities for James A. Jenney when he came here in 1880 with his dynamo and arc lamp. Mr. McDonald continued to guide the industry until his death in December, 1898, only a few months after this salesmen's convention. The bearded man next to Mr. McDonald is C. S. Knight, the vice-president and sales manager of the corporation.

In the front row, the man with the light coat, fifth from the left is Thomas Duncan, now president of the Duncan Electric Manufacturing Company of LaFayette, Indiana. Mr. Duncan was then the meter engineer here at our Plant. Next to the

left end of the front row, is a man many of us know, as he is still with us here at Fort Wayne. It is none other than John E. Hall of the Superintendent's Department, then the salesman of the Fort Wayne Electric Corporation at the Pittsburgh office. All of the others that have been surely identified, are named below the picture. If any one can help identify those we have not named, their help will be appreciated.

On the program for the convention we find the ever timely subjects, "How can we increase our business?" and "How can we decrease our expenses?" Other items of interest were, "What bearing is the 220 volt system having on our alternating business?" "What seems to be the preference as between low and high frequency alternating apparatus—also preference between single phase, multiphase and monocyclic apparatus?" and "Do you not feel we should take some steps to protect ourselves against the ordinary would-be electrical engineer, who always specifies special apparatus and demands unreasonable guaranties?"

The program advises that at 10 o'clock Monday morning the salesmen would investigate arc apparatus in the arc testing room, at 11 o'clock, alternating and direct current apparatus in the incandescent testing room, and at 2 o'clock there would be inspection of instruments and meters in the Meter Department, at which time Mr. Duncan would explain them.

So this old photo and the sales convention program gives us a little idea of the men and the problems of the early times, some of the problems being peculiar to the stage of development of the industry at the time, but some which even now are problems still to be dealt with.

Transformer Supervisory Force Held Outing at Lake

FOR some time the Supervisory Force of the Transformer Department had been planning to have a good time and eat fish at James Lake.

Saturday, June 20th, was the date set and on this date the trip was made. The dash for the north pole had nothing on the race for G. Oswald's cottage on Lake James on this day. The results of the race were: H. Heimlich, first; E. A. Wagner, second, and Arch Sheehan, third, with all the others so closely bunched that it was hard to decide the fourth place.

Arriving at the lake, preparations were made to spend the evening fishing and after a fine meal of roast ham and baked beans with all the trimmings, most of the party went out to fish. Many reports were made of fine large fish but the fish always got away.

About 10:00 p. m. Judge E. A. Wagner called the Fish Council together to try several of the fish for various crimes and offenses.

Fish A. Sheehan was arrested, charged with nearly every crime known to the prosecutor, but due to the fact that the witnesses did not tell straight stories, he could not be convicted but was fined \$10.00 or two male fish of edible variety caught according to law.

H. (Ike Walton) Habig was brought before the council for chicken stealing, but some difficulty arose among the witnesses as to the variety, age, color and other points, and no conviction was made, although we changed judges, Miles Morris acting as judge.

He did no better than Judge Wagner



SALES CONVENTION GROUP TAKEN IN 1898

Standing: E. F. Kirkpatrick, H. M. Geiger, T. J. Ryan, W. G. DeCelle, R. M. Shaw, T. L. Sturgeon, Thomas Cooper, unidentified, James J. Wood, R. T. McDonald, C. S. Knight, A. M. Lewis.

Sitting: Willard C. Knight, J. Allen Smith, C. Waller, Frank Wunder, Thomas Duncan, C. E. Wilson, unidentified, J. C. Murphy, unidentified, John E. Hall, unidentified.



TRANSFORMER SUPERVISORY FORCE ON PICNIC

Standing: M. Morris, H. Merriman, A. Shean, R. Fawcett, F. Walburn, P. Kirbach, J. Garto, L. Wright. Middle row: J. Payton, W. Miller, H. Struver, C. Mentzer, F. Banks, H. Habig. Front row: C. Bobay, E. Meyers, H. Heimlich.

so the council went back to its first love and asked Mr. Wagner to dispense justice. He ruled that all civilized courts should adjourn before midnight and since it was later than that, court adjourned to meet in the morning.

A fire alarm was sounded by Big Fish Walburn, but we found that he ate too much and could not sleep so he put two red light fuses outside the porch of the cottage and set them going. The result was that no one slept any more that night.

The men went out fishing and were very indignant to find that someone had smeared limburger cheese on the handles of the oars. We do not want to register here what was said there, so let's move on. We had better luck fishing that morning as we had a warning from Chief of Defense Frisch that he did not want excuses, but fish.

Justice finally triumphed as A. Sheehan was caught in the act of using a squirt gun out of season and he was quickly thrown into the lake.

Many events happened which are not registered here, but any of the men will be glad to tell you of the fine time they had.

Fish Heimlich as obtainer and Fish Miles Morris as chef extraordinary, have the thanks of the bunch for their labor.

G. Oswald is hereby given a vote of thanks for his cottage and for the loyal good friendship which he extended to all.

The wind-up of this trip was the great fish dinner which was in charge of Chef Fish Morris. More than one hundred fish were fried and enjoyed by those present and the only regret was that we could not stay longer.

Those present were E. A. Wagner, W. F. Frisch, F. S. Walburn, C. Mentzer, H. Heimlich, John Garto, Wm. Miller, R. Fawcett, H. Driftmeyer, G. Oswald, Miles Morris, F. Banks, Paul Kirbach, C. Bobay, H. Habig, J. Payton, E. J. Meyers, H. L. Merriman, H. Struver, L. P. Wright, A. Sheehan and H. Bastian.

Self-starters take a lot of the kick out of motoring.

Decatur Works Section

Decatur Firemen Spend Fourth at Lake Adams

On July 3rd the firemen came to work dressed as million dollar workmen. This caused much talk among the employees. At five o'clock there seemed to be a surplus of Fords waiting in front of the factory. These Fords were soon filled by the well-dressed million dollar boys. After much trouble getting to Fort Wayne they were able to journey on to Lake Adams. They arrived late that evening.

The boys were up bright and early on the Fourth touring the lake on balloon tires. "Buck" Baxter got a bright idea that he would float around the lake, he gained the other side and was unable to go any farther, so he took to nature's shoe leather and walked around the lake and ended his tour sad but happy. The remainder of the day was spent in playing cards and in sleep, which was needed by all.

Sunday afternoon the boys pulled stakes and started toward home. In all their travel they had but one disappointment and that was that the Fourth of July comes only once a year.

Gecode Club Girls Have Two Days' Outing at Rome City

On Saturday noon, July 18th, sixteen Gecode girls boarded the 12:00 o'clock car en route to Rome City. Every one was anticipating a good time, and by four o'clock that afternoon the girls were all settled and ready for a dip in the lake. Several of the girls enjoyed a canoe ride. Dancing was enjoyed by all and by one-thirty a. m. everything was in darkness.

Sunday was spent swimming, boating and dancing. A tired, but happy crowd of girls came home on the midnight train. The girls who enjoyed the outing were: Inez Heller, Vera Eady, Iva Heller, Esther McIntosh, Miriam Meyers, Daisy Girod, Alma Andrews, Francis Girod, Fritz Gault, Margaret Myers, Olive Merriman, Fern Passwater, Naomi Debolt, Gladys Reffey, Billy Hendricks and Bernita Tanvas.

Personal Notes

Just before going to press it was learned that Forrest Garton of the Punch Press Department, was married to Miss Garnet Sullivan, of Bluffton, Indiana, on May 16th, at Centerville, Michigan. All his co-workers extend their heartiest congratulations.

Bert Gage spent two weeks' vacation at home getting acquainted with his now son Lee Edward. Congratulations, Bert.

Russel Owens and wife spent a week's vacation, July 27th to August 3rd, at Niagara Falls.

Albert Fruchte imitated the famous Maude Miller, spending his vacation with his father making hay. "Atta boy," Albert.

The Misses Vera Eady and Esther McIntosh of the Pay Roll Department, are enjoying a week's vacation, August 3rd to August 11th, at Niagara Falls.

Alva Buffenbarger, of the Maintenance Department, has returned to work after a two weeks' fishing trip, July 13th to 27th, in Michigan.

Miss Clara Stevens, of Fort Wayne Works, has charge of the Decatur Pay Roll Department during Miss Eady's vacation.

The first accident of the Twilight Baseball League was two broken fingers suffered by Keith Davis.

Russell Welty lost a small portion of his index finger in a punch press. He is recovering nicely.

Bud Garner is able to be at work again after recovering from a severely cut hand.

New Employees

New employees at the Decatur Works are:

Roy Miller	Harry Sheets
Glenn Potts	Veda Hawkins
Francis MacWhinney	Perl Ruckman
Earl Saunders	Frank Hurst
Albert Dicks	Chester Uhrick
Louis Dornseif	Roy Chilcote
Clyde Cline	Audrey Everett
Art. Voglewede	Mabel Leyse
Miles Baker	Goldie Martz
Chas. Keller	John Waltz
Milt Swearinger	Carl Luse
Doyle Johnson	Fred Foos
Herb Fuhrman	Clyde McClure
Carrel Cole	Harold Corson
Wm. Grant	William Jones
David Baker	Edward Miller
Don Gage	James Sheppard
Orceney Passwater	Raymond Adams
Merle Foreman	Paul Shockey
Mary Roth	Arthur Hurst
Laura Roth	Ed. Bunch
Merle Marhenke	Dellie Chilcat
Art. Foreman	Lee Hughey
Carl McWhirter	George Raver
Homer Templin	S. P. Bowsher

There are approximately one thousand radio broadcasting stations throughout the world, of which 538 are in the United States which also has about 18,000 licensed amateur transmitting stations. According to statistics, there are eight million radio sets in use, five million of which are "tube" sets and the balance the "crystal" type.

Electric railways carry more than 16,000,000,000 passengers annually. Electric railways in the United States alone have 44,000 miles of track, over which are operated approximately 107,000 cars and require an operating force of more than 300,000 men and women.

Better be fired with enthusiasm for safety than fired for recklessness.

Girls Department



Elex Delegates Report Wonderful Conference at Camp Gray

Wayne Knit Girl Selected As Chairman of Central Regional Conference

The serious consideration of the problems of the girl in business and industry was the outstanding feature of the Y. W. conference held at Camp Gray, Saugatuck, Michigan, June 15th to 26th, at which Elex was represented by the Misses Susie Wagner and Bessie Smith.

Mrs. Frank Fitt, of Illinois, lectured to the girls on the subjects, "Girls in Industry" and "Child Labor." The discussion classes considered various questions which

developed from these lectures. They were: "Myself and I," "Myself and Others," "Myself and the Y. W. C. A.," "Myself and My Play," "Myself and My Job," "Myself and My Future Self" and "Myself and How Do I Grow."

Our pictures illustrate one of the interesting events of the conference which was "Romany Day." On Romany Day all the girls dressed up like gypsies and wandered away into the woods, there to have the daily program of classes, after which noon lunch was served on the shores of Lake Michigan. It was a beautiful sight to see the hundreds of girls all dressed in the various gypsy colors, trailing in and out through the woods. The "Lantern Chain" was another spectacular event which took

place at night. Each girl was provided with a Japanese lantern and followed in line the winding paths through the hills. The silence of the night was broken by the singing of conference hymns amidst the gleaming lights of candles.

The Fort Wayne girls were highly honored by having one of their number, Miss Blanche Adams, a "Wayne Knit" girl, selected to be a delegate to the Central Regional Conference to be held at Chicago this coming winter. It is also interesting to note that Miss Adams was selected to be chairman of this conference. She will also attend the spring conferences at Milwaukee and New York and will return to the summer conferences for this region again next year.

Camp Gray is an ideal conference spot, located on a hill by Lake Michigan, with beautiful pine trees and deep ravines.

Each of the nine delegates from Fort Wayne were enthusiastic, wide-awake girls and individually did their part in keeping things going during the conference. They all have returned with a broader outlook on life, inspired to do greater things.



SNAPSHOTS MADE AT INDUSTRIAL CONFERENCE

"What I Want My Stenographer to Know"

An Article for Stenographers by a Stenographer

Years ago I learned shorthand. Since then I have taken lots of "dictation"; also, I should like to add, I have given lots more—which, after all, is quite as it should be. The way to learn to give dictation is to learn to take it. So we feel fairly qualified to answer the question asked by one of our gentler readers:

"What does the average employer expect of his stenographer?" she writes in a letter which, by the way, has "RESENTMENT" printed between almost all its not too neatly typewritten lines.

First—A stenographer should be able to read her notes; anybody can write shorthand.

Second—She should be an expert typist, a correct speller and a good grammarian; she should thoroughly understand the use of pure English and punctuation so that if by any possibility the dictator errs, she will be able to reconstruct the sentences properly.

Third—She should know words, words, words; there is no better time saver.

Fourth—She should know perfectly the proper names which figure in ordinary dictation; she should make a point of remembering the exact spelling of the firms and addresses of the various persons whose names are used frequently, their street numbers, and perhaps their telephone numbers, since the dictator is apt to drop into carelessness at these very points in which the result should be most exact.

Fifth—While taking dictation the stenographer should strive to obliterate herself as much as possible by assuming a passive attitude in apparently complete indifference as to what is being said; everything which tends to distract the attention of the dictator should be avoided.

Sixth—She should always be on time, and she should always be graciously willing to do a little more than she is paid to do.

Seventh—She should do all she can to relieve her employer of the worry of details and petty responsibilities. I have had stenographers who would handle all correspondence concerning a lecture, look after train times, telephone for tickets and sleepers, make a memorandum of the hour, place and topic of each lecture, and not make errors.

Eighth—The stenographer should be neat in appearance as well as perfect in work. Clean linen, clean fingernails, polished shoes, spotless shirtwaists—all these combine to produce an effect upon callers, employers, office associates and the general atmosphere of an establishment which is estimated in dollars and cents by the careful business man.

Ninth—Education and live interest in current events pay compounded dividends.

Tenth—The stenographer becomes more valuable just in so far as it is UNNECESSARY for the employer to dictate; she

should be able to receive facts, and with them write a good letter.

Eleventh—She should be a lady in every sense of the word.

Twelfth—She can and should utilize brain power as well if not better than any other person who has some manual work to do.

Thirteenth—She should be a sealed book as to what goes on at the office.

The stenographer who can pass high on an examination along the above lines, will never complain of poor pay.

HERMAN J. STICH.

Y. W. C. A. Industrial Secretaries Leave

Girls of the Elex Club and others interested in the Y. W. C. A. will be grieved to hear of the resignation of the Industrial secretaries, Miss Martha Jane McLane and Miss Clarissa Scott. Miss McLane, who was in charge of the Industrial department, left July 30th, for Oskaloosa, Iowa, to accept a position as general secretary of the Y. W. C. A. of that city. Miss Scott will leave August 31st, for Prince School at Boston, Massachusetts, to further her studies along the lines of Store Education Work.

Miss McLane and Miss Scott both came to Fort Wayne in the late summer of 1923, and during their two years' work with girls in the industrial field in Fort Wayne, have won the love and esteem of the girls, who certainly regret their leaving, but wish them much success in their new undertakings.

Personal Notes

Some very fine reports are coming in from Lillian Steup, who is now at the University of Wisconsin. She has been receiving excellent grades in her work, and is having a wonderful time making many friends and taking week-end trips to the Dells and other places of interest.

Miss Dorcas Lancaster, of the Meter Inspection Department, Building 19-5, has returned to her duties after an eastern tour, stopping at Niagara Falls and several other points of interest.

Miss Lottie Schafer, stenographer in the Executive Department; Miss Irene Meyers, riveting press operator, in Building 26-4, and Miss Esther Pape, a friend of the girls, left Sunday, July 26th, in their own "little Ford" for a trip to Detroit, Canada and Niagara Falls, returning by way of Buffalo, Erie and Cleveland. They expect to be away for two weeks.

Mrs. Walter Strasburg, formerly Miss Velma Dobler of the Transformer Stock Room, entertained at dinner on Thursday, July 16th, at her home on Woodview Avenue. The following girls from the Transformer Department, Building 26-2, were present: Misses Jennie Wright, Mabel Liggett, Mabel Grimme, Zoa Dodane, Bertha Krieg, Adeline Grossman, Grace Resler and Mrs. Robison. The

evening was spent playing games and singing; everyone declaring Mrs. Strasburg a splendid hostess.

Truck Ride to Stoner's Mill

Please, girls, do not forget the truck ride to Stoner's Mill which will take place some time in August. This will be our next monthly party, and we do hope the Elex girls will show their appreciation of the many nice things planned for them by coming out in force and helping to make the event a big success. There is no doubt that you will have a good time—and an unusual time. Pot-luck supper, recreation, songs, stunts—everything you can imagine.

Girls of the Service Bureau Have Party

On July first, about fourteen happy girls of the Service Bureau in Building 17-3, went to the home of Mary Banks on Freeman Street. They left immediately after work and were escorted to the Banks' home in automobiles. Upon arrival there, a sumptuous pot-luck supper was enjoyed. The event also marked the birthday of Miss Ann Ball, which happened to be near that date and in whose honor a large birthday cake decorated the center of the table. The evening was spent in games, dancing, and singing. Those present were: Mildred Newcomb, Hulda Burg, Bonnie Ellis, Ethel Simons, Violet Schaefer, Lenora Schoppman, Edna Voirol, Isabelle Hausbach, Beatrice Drew, Dorothy Heit, Ruth McFarland, Florence Engleman, Ann Ball and Mary Banks.

New Girls in the Meter Department

Zelda Cormany	Madge Johnston
Verda Faulkner	Dorothy Faulkner
Marie Smith	Lillian Weiman
Bertha McMillen	Elizabeth Minard
Dorothy Manning	Louise Brackmeyer
Edythe Counsellor	Ruth Davis
Florence Reitebush	Gladys Kinsey
Lelah Steele	Olka Johnston
Emmaretta Adamson	Rose Schmidt
Alma Boerger	Irene Giant
Florence Doolin	Vivian Coar
Elizabeth Hiltner	Leona Rowe
Lillian Westerman	Agnes Ryan
Helen Geist	Lucille Sanders
Mildred Dornbush	Erma Bobay
Mildred Judt	Aldine Bunner
Elsie Mahlan	Roseina Judt

Weddings

Struver-Wagoner

Miss Helen Wagoner, daughter of Mr. and Mrs. Ray Wagoner, and Mr. Harold Struver, in charge of small miscellaneous winding and assemble work in the Transformer Department, were married on Saturday, July 11th, and spent one week of their honeymoon at Pine Lake near Lansing, Michigan. Miss Wagoner was also at one time employed in the Transformer Department. Mr. Struver was sur-

prised on his return to work, by a decorated desk and was presented with a breakfast linen set by his fellow workers.

Reiter-Hedrick

Miss Sylvia Hedrick of the Mica and Installation Department, was married to Mr. Henry Reiter of this city on July 18, 1925. Miss Hedrick's many friends feel sure that her life will be a path of roses from now on and wasted no time in extending their heartiest congratulations when she returned to her work.

Indiana Is Telephone Center of Nation

The telephone center of the United States, like the center of population, is in Indiana, according to the Indiana Committee on Public Utility Information. More than keeping pace with the westward march of population, the telephone has steadily advanced from its humble beginning of forty-nine years ago and has widened its sphere of influences until today the median points of population and the telephone are only a few miles apart.

Median Is Near Logansport in Cass County

"In the period beginning with 1876 the median point of telephones has traveled from Boston to Logansport, approximately 780 miles west and 110 miles south, or about 800 miles in an airline," says the committee. "During the same period the median line of population has moved only from Springfield, Ohio, to a point near Washington a distance of 135 miles west.

"It was in Boston that the telephone had its birth. There the first telephones were made and used. And just as the original thirteen colonies were scattered along the Atlantic seaboard, so also was the early telephone development confined to that narrow section. From the larger cities and towns of the population gradually spread out, by slow and painful degrees, wending its way ever farther and farther west. So also the telephone, which had its origin in New England, soon found its way to New York and Philadelphia and from these points began another march westward until finally the median point of telephone development not only has overtaken the median of population, but has even passed it.

"Even at the present time telephones are growing much faster in the United States than is the population. The population of the country is now increasing at the rate of one and one-quarter per cent a year, while telephones are growing at the rate of about six per cent a year."

Where an electrical transmission line runs through country in which oak trees grow, there is trouble. Woodpeckers drill hundreds of holes in a single pole and into each hole they drive an acorn. When the acorns are wet by rain they swell, starting cracks in the pole which catch water and cause the pole to rot. Thousands of dollars' damage is done in this way and so far no remedy has been forthcoming.



Dear G-E Juniors:—

How are you enjoying these nice vacation days? I know that some of you still find time to work out G-E Juniors' Page puzzles for I had quite a number of replies last month but not nearly so many as I should like to have.

It seems that it was pretty hard work for some of you to name the G-E products in last month's puzzle but, nevertheless, you did very fine. Perhaps some of you do not care to work during your vacations, but then if you really wish to accomplish something worth while, it will take work. Take your music lessons for example, if you tackle them hard, like your football team will tackle its opponents in the fall, they will soon be done and some day you may receive large sums of money for your ability to play. As you grow up you will often find that your greatest pleasures are the results of some hard work you did while you were young.

Gaynol Marsh sent in the picture that is reproduced on this page. She is the tallest girl in the picture and has her hands on her little sister Edna's face. Gaynol's brother, Arlo Marsh, is standing at her right side and her sister Mary at her left side. They are the children of Mrs. Elsie Patterson, who works in Building 19-B.

Last month prizes were won by John Reiber, son of J. H. Reiber, of Building 17-4; Dorothy Hull, daughter of Willard Hull, of Building 19-4; Gaynol Marsh, daughter of Mrs. Elsie Patterson, of Building 19-B, and Thomas Jack Heinley, of Columbia City.

Answers to Last Month's Prize Puzzles

- | | |
|-------------------------|---------------------|
| 1. vibrator | 5. hair dryer |
| 2. induction motor | 6. watthour meter |
| 3. transformer | 7. frac. H.P. motor |
| 4. vacuum sweeper motor | 8. switchboard |

Found on a Cent

- | | |
|-----------------------------|--------------------------|
| 1. tulips (two lips) | 6. hare (hair of Indian) |
| 2. date | 7. lid (eye) |
| 3. brow (of Indian) | 8. Indian |
| 4. pupil (of Indiana's eye) | 9. cheek (of Indian) |
| 5. three arrows | 10. temple (of Indian) |

This month we have a somewhat different way for you to try for a prize. Read the next column and then write your letter to the Editor of G-E Juniors' Page, Building 18-5, General Electric Co., Fort Wayne, Ind. Please state your age, address, and the name of your relative who works here. Prizes will be given for the five most interesting letters received from Fort Wayne Works juniors, and the three most interesting letters received from Decatur Works juniors up to Saturday noon, August 15th.

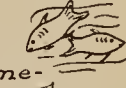
Be sure to tell us your age for we must know this when deciding on the prize winners. You see we do not expect as good a letter so far as penmanship and grammar are concerned from a five-year-old junior as we do from one who is much older.

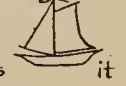


CHILDREN OF MRS. ELSIE PATTERSON, OF BUILDING 19-13


PROFITABLE VACATIONS

There is a little  named Betty who is spending her vacation at the

lake where she is catching  and going in swimming. Some-

times she takes her little  it ties a string to it and lets


drift out over the  Betty's little cousin Bobby is out


in the country on his uncle's farm where he helps him feed the 

 and 

Some days they go for long walks through the woods and watch

the  and  Now these

 are growing healthy and strong for they are spending

most of their time out of 

during the day and at night they sleep with their windows wide open.

How are you spending your vacation?

Write us a  and tell us about it. We shall give prizes for the most

interesting letters received.

ATHLETICS

G-E A. A.

Wayne Tank and G-E Tied for Lead in City Industrial League

The International Motors sprung a big surprise by defeating General Electric, tumbling them from the lead in the City Industrial League. Wayne Tank, by winning from Western Gas, went into a tie for first place. These games completed the second round. Each team still has each club in the league to play before the end of the season, and the championship will be in doubt until the last game is played. The standing of the teams at the end of the second round follows:

	Won	Lost	Pct.
General Electric	6	2	.750
Wayne Tank	6	2	.750
International Motors	3	4	.428
Western Gas	3	5	.375
Pennsylvania	1	6	.143

"Wid" Williams is leading the team in hitting with an average of .571 for seven games. Bruce Hamilton is second with .483 for eight games. "Rip" Watt is third with .393 for eight games. The individual averages of all players follow:

	G.	A.B.	H.	Ave.
Williams	7	21	12	.571
B. Hamilton	8	29	14	.483
Watt	8	28	11	.393
Rockhill	6	16	6	.375
D. Hamilton	8	31	11	.355
Harwood	6	12	4	.333
Romine	8	17	7	.243
McKeering	6	19	3	.158
J. Henry	8	29	4	.138
Barney	7	23	3	.130
Shady	2	2	1	.500
Huth	2	5	2	.400
Fox	2	1	0	.000

Y. M. C. A. Industrial Baseball Leagues Completes First Half

The Dudlo team of the Y. M. C. A. Industrial League finished in first place in the first round of play. The General Electric team finished in a tie for third place with Pennsylvania. At the completion of the first round the league was divided into two divisions consisting of the first five in Division "A" and the second five in Division "B." Teams will play only those in their own division. The winners of divisions will then play for the championship, the winner to play Dudlo, who won the first round, for the season's championship. The standing at the end of the first round follows:

	Won	Lost	Pct.
Dudlo	8	1	.889
Tokheim	6	2	.750
General Electric	6	3	.666
Pennsylvania	6	3	.666
Bowser	5	3	.625
Printing Company	5	4	.556
Wabash	4	5	.444
Wayne Tank	1	7	.125
Wayne Knit	1	7	.125
Utensils Company	1	8	.111

"Jim" Daly, captain of the team, is leading the regulars in hitting with an average of .562 for five games. Walker is second with .524 for seven games. The individual averages of those players who

participated in half of the games follow:

	G.	A.B.	H.	Ave.
Daly	5	16	9	.562
Walker	7	21	11	.524
Enders	7	34	17	.500
Roembke	8	31	15	.484
Glenn	7	29	12	.414
Kammeyer	7	22	8	.365
Stahl	8	34	12	.353
Bowers	6	10	3	.333
Beedenweg	7	23	6	.261
Reynolds	7	24	6	.250

Figures for the G-E-Utensils game are not available and are not included in the above averages.

Horseshoe Pitching League in Midst of Its Schedule

The horseshoe pitchers of the Works are having their innings on the courts in McCulloch Park. Every noon hour, immediately after lunch, standing room around the pegs is at a premium. More interest than ever before is evidenced this year, due to the fact, probably, that the teams are more evenly balanced. The plan of teaming a good player with a novice is proving extremely popular. The first round of play was completed after our paper went to press, so we will not be able to publish the standings until next issue. If you have not seen horseshoe pitched since you were a boy, we would suggest you drop over to McCulloch some noon hour and witness the consistency with which the boys drop them around the peg.

General Electric Girls Win Title in Blue Triangle Baseball League

The girls' baseball team mowed down everything in its path this year and cleared the way for another championship. While another game remains to be played, the Green and White lassies have sewed up first place honors.

Hilda Walda, on the mound for the winners, has pitched consistently good ball, allowing but a very few hits and using her fast ball to an advantage. Tressie Singrey, behind the bat, received Miss Walda's slants in a very capable manner, having very few passed balls or fumbles. The team as a whole consisted of good batters, none of them being notably weak with the stick.

The lineup of the team was as follows: Hilda Walda, p; Tressie Singrey, c.; Ida Trautman, 1b.; Florence Case, 2b.; Dorothy Coles, 3b.; Dorothy Schwartz, left ss.; Hildegard Hormel, right ss.; Pauline Pearce, lf.; LaVera Vail, cf.; Lois Blakeley, rf.

The standing of the league is as follows:

	Won	Lost	Pct.
General Electric	5	0	1.000
Wayne Knitting Mills	3	3	.500
Ft. Wayne Paper Box Co.	2	3	.400
Blue Triangle A. A.	1	5	.166

John Blakeley, City Horseshoe Champion, is anxious to further the pitching of horseshoes throughout the Plant and will install courts anywhere in the Plant where enough people desire to play. All that is necessary is to call Mr. Blakeley on phone No. 496.

Notes

The schedule for the semi-pro team for the balance of the season is as follows:

August 22—G-E vs. Pennsylvania.

August 29—G-E vs. International Motors.

The Y. M. C. A. League team's schedule is as follows:

August 8—Bowser vs. General Electric, Memorial Park, 2:00 P. M.

August 15—Tokheim vs. General Electric, Memorial Park, 4 P. M.

August 22—Dudlo vs. General Electric, Lawton Park, 2 P. M.

Lou Barney has been hitting in tough luck for the semi-pro team. He has been hitting the ball but right at someone. His steady playing at shortstop has helped the team throughout the campaign.

"Wid" Williams has claimed his rightful place as league leader in hitting. "Wid" is a hitter and the top of the heap is where he belongs. And hitting isn't the only one of his achievements.

After reading our comments of last month, "Joe" Henry took a new lease on life, cracking out a triple and a double in the Pennsylvania game.

Out of the first ten leading batters in the City Industrial League, the G-E team claims five places. Wayne Tank hasn't a single man in this class.

The division of the Y. M. C. A. League into two groups should create an added interest in the league. While each team can look forward to a tough game each Saturday, this is something to be desired rather than feared, as it is usually the case that the games figured as easy are the ones lost.

Group of G-E Employees Hold Picnic at Blue Lake

On Wednesday evening, July 22nd, approximately twenty members of the Employment, Medical and Industrial Service Departments, with their families held a party at Blue Lake. In this group were the office force of the Employment Department, the Company physician and nurses, the office employees of the Industrial Service Department, the personnel workers, instructors in the apprentice school and in the specialist training school. John Clark, the watchman of Building 19-1, and his wife, were especially invited guests. A delicious picnic dinner was served as soon as the group arrived at the lake. An adventurous member tried swimming, but the evening was too cool to encourage the others of the group.

After the dinner had been cleared away, all, old and young, went to the dance hall and took part in the dancing. Everyone who attended was enthusiastic about the especially good time. E. L. Misegades, and the Misses Carrie Burke and Irene Fox acted as a general committee to arrange the affair.

NEWS OF THE INDUSTRY

The land of the lamas, which produced that picturesque pilgrim to whom Kipling's Kim so joyously attached himself, is preparing for the coming of electric lights. The sacred and forbidden city of Lhasa, seat of the Great Lama, will also be the home of a modern hydro-electric plant which will supply current for illuminating the ancient, mystical temples where prayer wheels have rustled and beads have clicked for centuries, regardless of events in the outside world.

Gleaming electric lights will be introduced without any violation, however, of the exclusiveness of the forbidden city. The installation of the apparatus will be done entirely by Tibetans, and the temple of the Great Lama will be wired only by inhabitants of the lamasary, or monastery, who alone are permitted to enter the same hall with him.

The different parts of the turbine and generator are being transported by mule train, crawling slowly along slender mountain paths to reach the forbidden city, which is twelve thousand feet aloft among the bleakest of the Himalayas. Months from now, when the installation is completed, there will be glowing electric lights to welcome the pilgrims across the snows, and a radiance in the long-used temples never before seen there. Modern illumination will have penetrated into that remote region—but Lhasa will remain as forbidden as ever to those of the white race.

Long distance telephones for the convenience of air mail pilots have been established at several of the emergency landing fields in the west. The telephones are for use in connection with the air mail service between San Francisco and New York. If pilots are forced to land they are thus able to communicate immediately with their regular landing fields.

For forty years the authorities of the National Gallery in London have refused to have electric lights within the walls of that famous institution. It was discovered that sunlight had caused some of the famous masterpieces, particularly the colorful works of Turner, to fade. Now the authorities have announced that electric lighting is to be installed at once and further, that certain pictures may be seen only by electric light.

Electric light, filtered through special glass, can be made chemically harmless to the most delicate colors.

Motion pictures are being used in Washington, D. C., in connection with the drive to better traffic conditions. A film on automobile head lights, furnished by the Edison Lamp Works, was shown privately to the Director of Traffic and he was so pleased with the presentation that he immediately made arrangements to have the film exhibited in a number of Washington theatres.

The General Electric Company has concluded an agreement with the Societa Italiana Pirelli of Milan, Italy, for working the Pirelli patents on paper insulated cables, joints and fittings, together with the use of manufacturing and research information in regard to this type of cable in the United States. This agreement will render available to the public utilities of the United States the Pirelli Company's special developments in high tension cable.

"Given efficient development of electric power," says Owen D. Young, Chairman of the Board of Directors of the General Electric Company, "there is no reason why farm comforts and farm profits should not both be multiplied."

Sweden opened a new high powered radio station at Varberg, July 2nd. E. F. W. Alexanderson, consulting engineer of the General Electric Company, the inventor of the Alexanderson high frequency alternator, which has made trans-oceanic radio communication possible, attended the official opening of the station.

What are the longest and the shortest waves on earth? The longest wave on earth, or rather on water, is the tidal wave, which near the equator has a length from crest to crest of about 12,000 miles. A puff of wind on a roadside puddle may make a wave an eighth of an inch long. And yet every electric lamp operating on the usual 60-cycle lighting circuit is producing a greater change of wave length than from tidal wave to tiny ripple for the 60-cycle electric wave is about 3,000 miles in length, while the longest light wave is only about three hundred-thousandths of an inch long. The heat waves to which the rest of the electrical energy in the 60-cycle lamp is converted are, for the most part, less than a ten-thousandth of an inch long.

The success of the recent Exposition of Progress held at Canton, Ohio, was furthered by a complete exhibition of electrical equipment, including motors, control equipment, arc welding equipment, the largest and smallest lamps in the world and an interesting exposition on fused quartz and its probable influence on progress in the many fields of its application within the next few years.

Recent reports from many cities throughout the United States show that good street lighting accomplishes the following: More business on downtown street; more buyers from out of town; stronger impression of thrift and progress; fewer overhead wires; better civic pride; help for the fire department; less crime; safer playgrounds; more industries; increased real estate values; more sanitary condition of streets and fewer traffic accidents.

"The electric light and power industry has more individual owners than any other business in the world." This was the declaration of M. H. Aylesworth, managing director of the National Electric Light Association speaking before the annual convention of the middle west division. He said: "More than one million Americans own the stocks of the electric light and power companies which serve them, while more than two million five hundred thousand men and women in the United States own the securities of the electric light and power companies."

The United States Navy electrically propelled airplane carrier Saratoga, giant ship of the navy, is able to attain a speed of nearly forty miles an hour. Electric motors rated at 180,000 horsepower drive the four huge propellers which send the ship through the water. The electrical energy is produced by four 35,200 kilowatt steam turbine generators. The total electrical generating equipment is capable of producing sufficient energy to meet the light and power demands of a city the size of Boston, Mass.

To American inventive genius civilization owes a transcendent debt of gratitude for the origination and development of three basic sources of modern industry and business. These services are electric light and power, electric transportation and the telephone and telegraph.

The United States has more telephones than all of the other countries in the world combined; its consumption of electricity is almost exactly double that of all the rest of the world and the development and extension of electric transportation is in like proportion.

The electrical engineer has successfully applied electric light to increase the hen's output of eggs. His colleague, the chemical engineer, has now developed a process, already in commercial use, whereby large numbers of eggs can be kept for indefinite periods without the use of cold storage or preservatives, and which, it is said, will have a material effect upon the seasonal egg markets of the country. The new process produces perfectly dried eggs in the form of a powder. They will keep indefinitely and can be used for almost any form of cooking.

One of the longest telephone circuits in the world runs from Chicago to Los Angeles. Nearly one thousand miles of this important link in the national system is in New Mexico. The line is constantly patrolled and the patrolman spends his entire time inspecting the line and making minor repairs. The towns are so far apart that he sets up his tent at night, converts his car into a home, tunes up his radio and fills the desert night with news and entertainment from the wide world.

KEEPING FIT CONTEST

Standing of Major Departments, July 15, 1925

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Meter Department	17.98	11.46	36.30
2. Fractional H.P. Motor	19.40	13.54	30.20
3. Apparatus Department	5.44	4.16	23.55
4. Contributing Departments	19.64	15.61	20.50
5. Transformer	12.02	13.55	—12.70
6. Induction Motor	4.57	7.29	—59.40
7. Building and Maintenance	12.10	19.80	—63.60
8. Decatur	8.82	14.58	—65.30

Safety News

An increase of six lost time accidents over the previous month was shown for the month of June, twelve being recorded for May and eighteen for June.

The summary of accidents for the first six months of 1925 at the Fort Wayne and Decatur Works as to their nature, disclose the following:

Lacerations and Contusions.....	32
Sprains and Strains	14
Fractures	13
Infections	9
Eyes	8
Amputations	6
Miscellaneous	5
Total	87

Sectional classification of the above accidents is as follows:

Contributing	20
Transformer	13
Fractional H.P. Motor.....	12
Building and Maintenance.....	11
Decatur	11
Meter	10
Induction Motor	7
Apparatus	3
Total	87

Eight of the twenty accidents charged to the contributing departments have occurred in the Punch Press Department, Building 26-1, four of these being amputations of fingers or parts. Suitable guards are be-

ing installed at this time and it is hoped that this will materially reduce the number of punch press accidents.

Decatur is slipping in accident prevention work as they have had as many accidents the first six months of 1925 as during the whole of 1924. But we are looking for them to "put on the chains" and pull out of the rut with flying colors during the remainder of 1925.

With all the eighty-seven accidents recorded for the first six months of 1925 it is pleasing to know that it is thirty-two less than we had during the same period last year, one hundred and nineteen being the number occurring. So that we feel that our efforts with regard to safety work are not in vain.

If you are having trouble with your goggles or can't find a pair to suit your particular job or if you have a safety problem to talk over see Misegades of the Industrial Service Department, Building 19-1.

The Meter Department was the only department at this Works to go through the month of June without a lost time accident.

General Superintendent E. A. Barnes was elected president of the Fort Wayne Safety Council at its meeting on Monday night, July 20th. His term of office is

to start August 1st. We, as employees of the General Electric Company, can help to lighten his duties in connection with the Safety Council by co-operating with it in every safety drive it endeavors to put across.

The Meter Department, due to its no accident record in June, jumped into first place in the Keeping Fit Contest, closely followed by the Fractional Horsepower Motor Department. The Apparatus Department, last year's leader, due to its three accidents during the past month, dropped from first to third place.

A hearty response was received to the campaign for membership in the Careful Drivers' Club of Fort Wayne, conducted by C. M. Bresnahan, City Traffic Director, as evinced by the fact that over four hundred people were signed up for the club through the Industrial Service Department alone. It is the purpose of the club to interest the members in safe driving and closer observation of traffic laws.

Eight fatal accidents have occurred so far this year on the streets and railroad tracks in Fort Wayne, while hundreds of minor accidents have been recorded, a great many of them requiring medical treatment. It, therefore, behooves us to practice safety at home and on the streets as well as in the shop in order to cut down the great number of accidents that are taking their toll of human life every day in the year.



Decimal Equivalents of Fractions of an Inch

$\frac{1}{64}$		.015625	$\frac{33}{64}$		.515625
$\frac{3}{64}$	$\frac{1}{32}$	.03125	$\frac{35}{64}$	$\frac{17}{32}$	.53125
		.046875			.546875
$\frac{5}{64}$	$\frac{1}{16}$	.0625	$\frac{37}{64}$	$\frac{9}{16}$	.5625
		.078125	$\frac{39}{64}$	$\frac{19}{32}$	.578125
$\frac{7}{64}$	$\frac{3}{32}$	.09375			.59375
		.109375	$\frac{41}{64}$	$\frac{5}{8}$	.609375
$\frac{9}{64}$	$\frac{1}{8}$	.125			.625
		.140625	$\frac{43}{64}$	$\frac{11}{16}$	.640625
$\frac{11}{64}$	$\frac{5}{32}$	.15625			.65625
		.171875	$\frac{45}{64}$	$\frac{21}{32}$	.671875
$\frac{13}{64}$	$\frac{3}{16}$	.1875			.6875
		.203125	$\frac{47}{64}$	$\frac{11}{8}$	.703125
$\frac{15}{64}$	$\frac{7}{32}$	.21875			.71875
		.234375	$\frac{49}{64}$	$\frac{23}{32}$	.734375
$\frac{17}{64}$	$\frac{1}{4}$	.25			.75
		.265625	$\frac{51}{64}$	$\frac{3}{4}$	.765625
$\frac{19}{64}$	$\frac{9}{32}$	.28125			.78125
		.296875	$\frac{53}{64}$	$\frac{25}{32}$	.796875
$\frac{21}{64}$	$\frac{5}{16}$	.3125			.8125
		.328125	$\frac{55}{64}$	$\frac{13}{16}$	.828125
$\frac{23}{64}$	$\frac{11}{32}$	.34375			.84375
		.359375	$\frac{57}{64}$	$\frac{27}{32}$	.859375
$\frac{25}{64}$	$\frac{3}{8}$	.375			.875
		.390625	$\frac{59}{64}$	$\frac{7}{8}$	.890625
$\frac{27}{64}$	$\frac{13}{32}$	.40625			.90625
		.421875	$\frac{61}{64}$	$\frac{29}{32}$	.921875
$\frac{29}{64}$	$\frac{7}{16}$	.4375			.9375
		.453125	$\frac{63}{64}$	$\frac{15}{16}$	.953125
$\frac{31}{64}$	$\frac{15}{32}$	.46875			.96875
		.484375			.984375
$\frac{1}{2}$		.5			



And 5,000 farmers came to his door

On a farm near Harrisburg, Pa., in connection with the 1925 State Farm Products Show, a hundred electrical conveniences were installed to show the varied uses of electricity in agriculture.



The General Electric Company cooperated to make the Harrisburg exhibit a success. It is cooperating with the Committee on Relation of Electricity to Agriculture in fifteen states where experiments are being carried on.

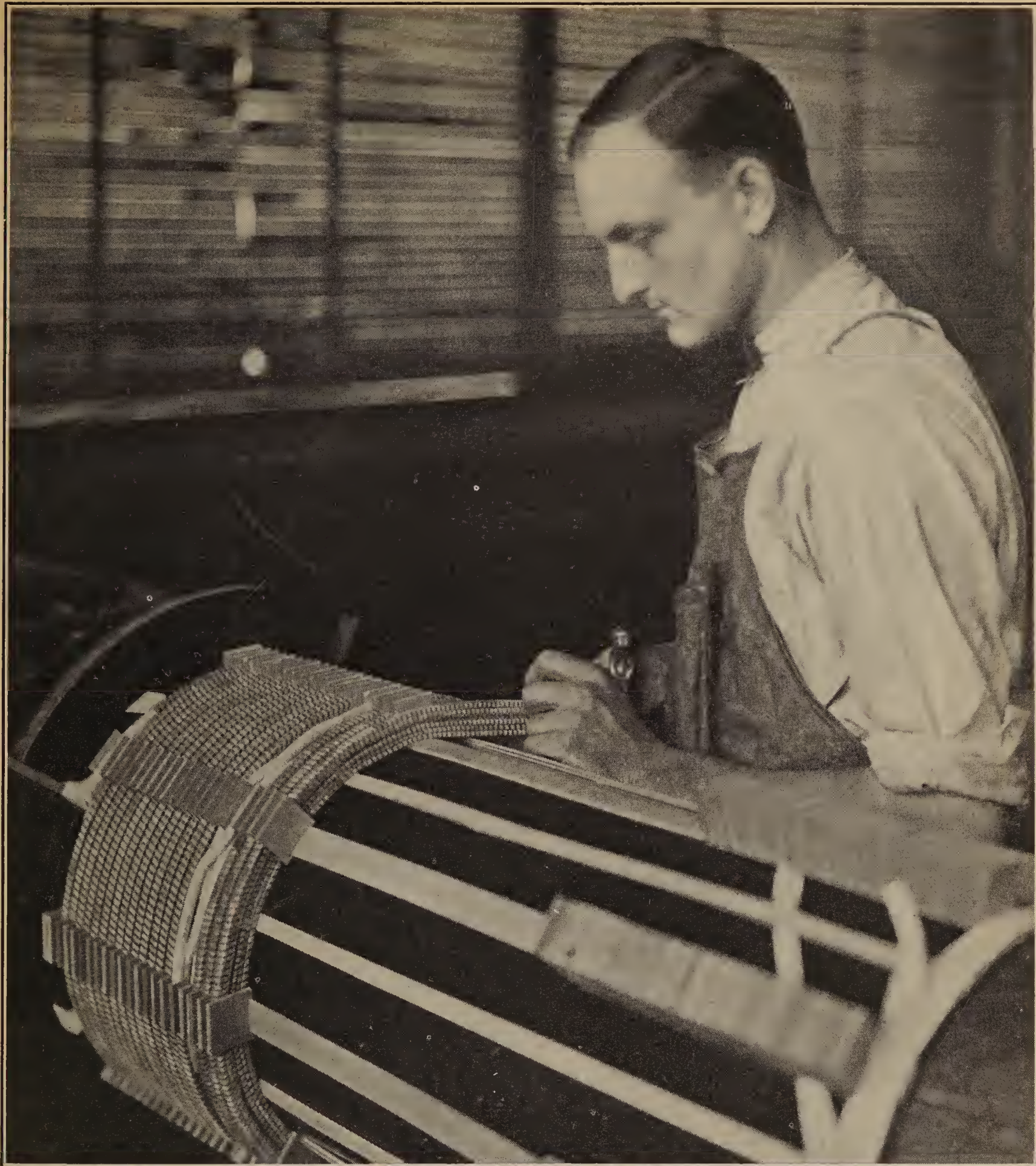
These harbingers of a better farm life included everything from a little G-E fan to heavy-duty motors, as well as appliances for the household, laundry, barns, chicken house, dairy and workshop.

A rural service line works a magic transformation over the countryside.

GENERAL ELECTRIC

95-70G

*One of a series of G-E Advertisements appearing
in Farm Magazines*



Vol. 9

September, 1925

No. 9

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



Large Coil Work

IT is in transformer work that we find the greatest range in the size of coils used. In this department also we have the greatest range in power outputs and voltage ratings of the units produced. Most of our readers have no doubt seen some of the small coil winding done, for the smaller coils are used in fractional horsepower motors and meters as well as in the miniature transformers produced at this Works. The big coil work however is not so familiar a sight as it is done only in Building 26-4.

On our cover illustration we show Leonard Krunbigel, an expert at this work, winding one of the heavy transformer coils. On this coil he is winding six heavy rectangular copper conductors all at the same time, as these six conductors are required to carry the amperes of current that normally will flow through such low tension coil for a 1000 kv-a, 13,200 to 2500 volt transformer. Note if you will, how the insulating and spacing strips and blocks for the whole coil are all placed on the wooden winding drum before the winder begins to put on the wire. Note also, the way in which the various conductors are transposed as to position in the radial groups in order that all of the conductors will have the same length, hence the same resistance in the finished coil. Of course there are relatively few turns in a coil of this kind and the big winding drum moves very slowly and is frequently stopped that the operator may get all the turns neatly and correctly placed. There is a lot of difference in the work of winding such coils and the winding of the many turn, fine wire coils used in so much of the product of our Fort Wayne Works. Naturally we don't need so many of these big expensive coils, which it takes an operator about one-half day to wind.

Dr. W. R. Whitney of Research Laboratory Gives Unusual Conception of Matter

Listens to Electrons—Nerve Reproduced Electrically

MATTER is only a vacuum in which there are enormous numbers of positive and negative electrical charges which fill only an exceedingly small portion of the space attributed to it, said Dr. Willis R. Whitney, director of the research laboratory of the General Electric Company, in addressing the annual convention of the American Chemical Society at Los Angeles, Calif., August 3. Dr. Whitney's subject was "Matter—Is There Anything in It?" a topic which recalls his talk of two years ago on "The Vacuum—There's Something in It."

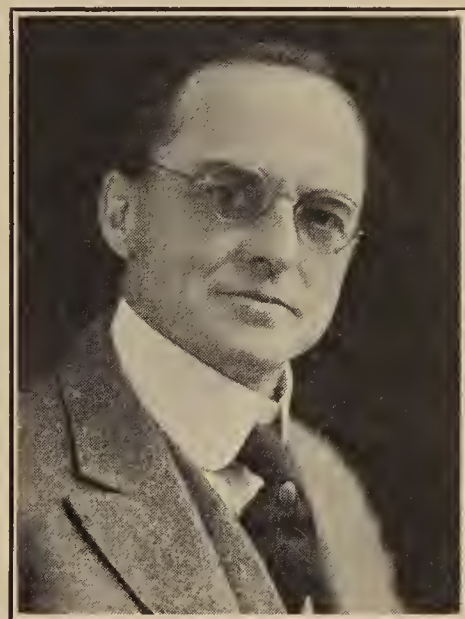
The actual smallness of an atom—that smallest particle of matter which can exist as an element—is impossible to realize, Dr. Whitney stated. To illustrate this fact, Dr. Whitney spoke about the composition of water, which is composed of two parts of hydrogen to sixteen parts of oxygen, by weight, or by twice as many

atoms of hydrogen as of oxygen, chemically combined.

"Suppose we start with one single drop of water," he said, "and let all of its hydrogen atoms appear in turn as drops of water. How much of a rainfall must we picture in order to visualize all those hydrogen atoms of that drop? We know that the drop contains about 3,000,000,000,000,000,000,000,000 (3×10^{21}) hydrogen atoms. If these were as large as rain drops, they would cover the whole world with a foot of water.

"Another way of expressing the rain drops which correspond in number to the hydrogen atoms in a drop of water is to say that if they fell as rapidly as in the heaviest rainfall, this rainfall would have to continue all over the United States for nearly two weeks.

"Now if we made one of these hydrogen atoms, which we used to think of as hard



**DR. W. R. WHITNEY, DIRECTOR OF
G-E RESEARCH LABORATORY**

and indivisible, so large that it became a yard in diameter, nothing would yet be appreciable, because its electron would still be only a pinhead in size, and its nucleus two thousand times smaller. So, while you might distinguish the orbit, its planet and sun would still be nearly invisible. In other words, practically all of the hydrogen atom is apparently space."

Listening to Electrons

In spite of the minuteness of these particles, however, scientists have been able to measure atomic properties accurately, and even to count, listen to, and to all practical purposes see the electrons, or unit particles of electricity, of which the atoms are composed.

By means of a modified form of Geiger's apparatus, electrons escaping from various sources were caused to ionize, or break up, the air between a charged point and plate. These electronic charges in the air were detected by an amplifier system similar in many respects to that used in a radio receiving set, and so heard on an ordinary wireless loud speaker.

One source of electrons used by Dr. Whitney was a piece of uranium, which has decomposing properties similar to those of radium or thorium. Scientists have learned that uranium spontaneously bombards electrons into space. After five thousand million years, half of the uranium will have thus shot itself away, lost slightly in weight, and become metallic lead. Flames, frictional electricity, x-rays and other sources were also used to produce the electronic sounds.

Another piece of apparatus exhibited permitted the audience to hear a piece of iron



**DR. WHITNEY IN RESEARCH LABORATORY STUDYING DISINTEGRATION
OF URANIUM BY MEANS OF MODIFIED GEIGER'S APPARATUS**

become magnetized. An amplifier and loud speaker were so arranged that a peculiar hissing noise was audible when a magnet was brought near and so magnetized a piece of soft iron. The theory is that tiny particles in the iron turn around and face in one direction when magnetized.

In another experiment, a screen of copper gauze was used to gather electrons from the air and to feed the electric current thus produced into a condenser which in turn was combined with a radio tube and loud speaker. The condenser gave regular discharges of electrons into the circuit, and the regularity of the discharges caused musical notes to be given out by the loud speaker. By varying the number of discharges, the tone of the note was varied. Between the condenser and the radio tube Dr. Whitney placed a piece of paper on which there was a long, dry ink mark. By varying the length of the ink mark between terminals held in his hands, Dr. Whitney varied the tone of the note given by the loud speaker. The device offers a sensitive way of indicating small electrical currents.

Nerve Reproduced Electrically

The Similarity between human nerves and electrical currents was demonstrated by means of an "electric nerve," an important part of which was a photoelectric cell, the "electric eye" which has made radio transmission of pictures possible.

The photoelectric cell was considered to act like the animal eye, and was connected to an electrical conductor, termed the optic nerve. Along the conductor were placed incandescent lamps which would light as the electric impulse from the photoelectric cell or eye passed along the nerve.

At the distant end of the nerve there was placed a relay apparatus and bell, corresponding to the nerve center or brain. From there a separate nerve or conductor led to a lamp which was used to illuminate the photoelectric cell.

The cell is sensitive to light, and when illuminated permits electricity to flow through it. The outside light was turned on, thus giving the cell the necessary impulse. The lights along the nerve thereupon lighted, the bell sounded, and the outside light thereby automatically extinguished. Reflex nerve action was illustrated thereby, the response of the photoelectric cell causing the light to be extinguished.

"The object of this combination," Dr. Whitney explained, "is to show that for such feeble electrical impulses it would not be difficult to delay the velocity within the nerve by small capacities, as we have done, and thus remove one of the early objections which assumed that the relatively slow conducting nerves could not be orderly electrical conductors. We feel also justified in calling attention to the apparent similarity of action between the metal retina and the retina of the animal eye. For example, the eye of a recently killed frog, exposed to a candle light, will generate electric current which is easily measured on a galvanometer. Thus the



THE ELECTRIC NERVE

Photoelectric cell to the left. In the experimental demonstration at Los Angeles, Dr. Whitney used a slightly different form, having the incandescent lamps strung across the stage.

eye is a photoelectric cell. In fact, all living tissue responds to stimulation by producing electric currents."

Some Good Awards During Past Month

Decatur Man Wins Largest Award (See Decatur Section)

The Committee on Suggestions announces the following awards made on suggestions up to August 22:

Herbert L. Driftmeyer, an additional award of \$30.00 on an improvement in the design of the bell transformer clamping case. Mr. Driftmeyer, whose photograph appears above, is employed in the Small Transformer Department in Building 26-3.

Carl S. Campbell, of the Meter Winding Department, Building 19-4, an award of \$20.00 on a method of treating MC-9 meter coil leads in paraffine to prevent brittleness.

George Huber, Building 10-3, an award of \$15.00 on a method of making protection pieces for transformers in the Mica and Insulation Department.

C. H. Mueller, of the Induction Motor Department, Building 19-3, an additional award of \$10.00 on improvements to the dies used in forming MT rotor bars in Building 19-2.

William Wollman, of the Mechanical Maintenance Department, Building 19-B, an award of \$10.00 on an improvement to the chuck feet operating cams on certain automatic screw machines in Building 26-4.

J. D. Fletter, of the Meter Winding Department, Building 19-4, an award of \$5.00 on two suggestions to change the number of tie strings used in winding certain current coils in the Meter Department.

P. J. Rentschler, of the Mechanical Maintenance Department, Building 19-B, an award of \$5.00 on a change in the drive of the index drilling attachment of certain automatic screw machines in Building 26-4.



**HERBERT DRIFTMEYER GRANTED
ADDITIONAL \$30 AWARD**

D. P. Delegrange, of the Tank Shop, Building 27, an award of \$5.00 on a suggestion to build a set of rolls to hold certain WSO tanks while spotting on the corrugations.

Wm. A. Sivits, of the Meter Inspection Department, Building 19-5, an award of \$5.00 on a suggestion to provide an additional air hose in the above department.

H. V. Deel, of Building 20-1, an award of \$5.00 on a guard for a lathe in Building 20-1.

Fred Wyss, of the Mechanical Maintenance Department, Building 19-B, an award of \$5.00 on a guard for the coupling on a motor in Building 4-2.

The largest generating station in the world, which cost \$50,000,000 will be opened before the end of 1925 at the front of East 14th street, New York. The capacity will be 700,000 KW—nearly one million HP.

Getting the Big Awards

THE story of the Patent Office employee who many years ago resigned because he felt that nearly everything had been invented is too old to repeat in detail. The annual number of patents now granted is more than twice the number of that day.

One might suppose that with thousands of active employees and trained thinkers concentrating on possible improvements, few worth-while things would remain unthought of in a modern manufacturing organization such as the General Electric Company. The average person, like the Patent Office employee, might conclude that everything worth while had been suggested.

This is by no means the case. Every change in methods, materials and products opens new opportunities for inventive genius. Every expansion of the Company widens the suggestion field just that much.

Many important improvements have been made, both through suggestions and by reason of the increased attention that manufacturing details are receiving from the supervisory force.

The suggestor who finds competition in this field should not be dismayed. Most of the suggestions coming from the supervisory force are of small individual consequence. The field for big awards is greater than ever.

Every suggestion committee is delighted to receive suggestions that permit the granting of large awards. Indeed, there is almost a friendly rivalry between the committees of the different Works to see which will receive the suggestion carrying the largest award for the year. When a suggestor receives a large award, his committee is proud of him and holds him in an esteem bordering on affection. The executives, too, share in this regard.

A large award does not necessarily imply a complex suggestion. Sometimes involved suggestions scarcely repay their cost of development. Usually, the profitable suggestions which carry the big awards are those which overcome some basic difficulty or effect a fundamental improvement which enables the production of a better product at lower cost.

In some cases, depending on market conditions, a better product even at higher cost is worth while. An improved product without change in cost is of advantage, especially where the change does not interfere with the relation of the product to other things.

A decrease in cost without reduction in quality is nearly always worth while. This often can be effected by simplifying methods, altering parts, or changing the materials. Almost every job lends itself to suggestions along these lines. If the workman does not look his own job over thoroughly, he need not be surprised to find that the award has gone to the fellow beside him who believes that the suggestion system like the Patent Office, is not going to stop because someone may think the field for new ideas is exhausted.



KENNETH CRABILL
Recent Apprentice Graduate

One Graduate and Four Enrollments in Apprentice School

ONE graduate and four enrollments is the past month's report on activities in the apprentice school. Kenneth Crabill, the young man who graduated, completed the three year Electrical Tester Course on August 24 and secured his diploma and the \$75.00 bonus awarded for doing satisfactory work. Kenneth held a diploma from the Monroeville High School when he applied for admission to the apprentice work. He also had to his credit some high school vacation periods of experience in our shops. Throughout his apprentice period, he has been active in the athletic and social activities of the Apprentice Association and for the past few months has been serving as secretary of the club. Mr. Crabill has been assigned to permanent work in the general drafting department under Mr. W. H. Crighton, Building 18-5.

August Schmidt and Raymond Gaskill are new students taking the Machinist and Toolmakers' Apprentice Course. Both are Fort Wayne boys and both had attended South Side High School. Schmidt had been employed as a clerk in a store, while Gaskill had been employed by the International Harvester Company before enrolling for the apprentice work. Raymond is the son of William Gaskill, employed in the Shipping Department, Building 6-2.

John Simpson is a Kokomo boy, graduating from the high school there with this year's class. He enrolled on the Electrical Tester course of our apprentice school on July 30, so may be expected to complete this three-years' course some time in the spring or summer of 1928.

Ward N. Hinesley is from Sheridan, Indiana, and was one of last year's graduates of Wabash county high school. Since graduating from high school, Hinesley has been working for his father in farm work. He came to Fort Wayne to enroll on the Drafting Course on August 3, and should finish his course in the spring or summer of 1928.

Everybody Attended Transformer Dept. Picnic

Men of Building 8 Held Stag Party at Big Lake

A success from every viewpoint, well describes the Transformer Department picnic, held at the Elks' Country Club, Sunday, August 9. The transformer supervisory force, that is the foremen and assistants, conceived the party and were back of it to make it a success. A survey of the attendance indicated that practically every employee of the department was present with the family for the event.

Transportation difficulties that were puzzling at first, were solved by arranging machines to meet the State street cars to take care of those who could not be accommodated direct from their homes by machines. By 11:30 practically everyone was assembled on the grounds, and the baskets of lunch were laid out for the feast. At about 2 o'clock the special program of events was begun and from then on there was something doing every minute of the day. Some went bathing in the pool, while others took to less refreshing sports. There were games for the children and contests for the mothers. There was a baseball game between teams of men which ended in a score of 9 to 1. With such a score it would scarcely be fair to name the teams. The horseshoe courts were of course busy throughout the day as there are a lot of real fans for this sport in any large G-E crowd. For those who especially like dancing, there was every facility for enjoyment. A snappy dance orchestra and a good dance floor were available throughout the afternoon and evening.

Refreshments such as hot coffee, ice cream and lemonade were available in quantity on the grounds and so far as possible, every wish of the picnic crowd was anticipated in advance. Credit for the excellent arrangements is due the general committee, H. Habig, chairman; R. Fawcett, H. Merriman, A. L. Sheean, and G. Oswald and those who assisted in directing the special events on the program, namely E. A. Wagner, C. N. Brubaker, Fred Banks, Harry Gargett, M. Morris, Wayne Cook, W. Long, A. Hume and W. Bowers. There were approximately 500 in attendance at the first All-Transformer Department picnic.

The men of the Transformer Department working in Building 8, enjoyed a stag party at Big Lake over the first week-end in August. A cottage was engaged for the time; food, bathing suits and fishing tackle being taken along from Fort Wayne. "Pop" Walburn dropped in on the bunch on Sunday to see how the boys were getting along and reports that the boys were having a good time and had some excellent coffee on tap. R. Wickliffe, H. Kugler, J. Dennis, G. Clouse, C. Russel, E. Coates, J. Keller, E. Williams, E. Filler and H. Heimlich were the men who made up this party at the lake.

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
E. L. Misegades _____ Safety
Flora Boerger _____ Girls' Department
Wade Reed _____ (G-E A. A.) Athletics
Robert White _____ Decatur Works

REPORTORIAL STAFF

H. A. Wilding _____ Electro-Technic Club
LaVera Vail _____ Elex Club
Carrol Blincoe _____ Apprentice Association
Fred Duryee _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
John L. Verweire _____ Band
J. E. Hall _____ Quarter Century Club
Edward Witte _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
E. L. Misegades _____ G-E Squares
Irene Fox _____ Absent Employees

Vol. 9 September, 1925 No. 9

GERARD SWOPE, President of the General Electric Company, announced that orders received by the General Electric Company for the three months ending June 30, amount to \$66,468,992, compared with \$71,219,984 for the same period in 1924, a decrease of 7%. For the six months of the present year orders total \$150,315,228, compared with \$144,707,887 for the first half of 1924, an increase of 4%.

The Employees' Home Lighting Contest, recently completed in the various Works of the General Electric Company has proved conclusively that the man in the electrical industry has a keener sense of what is best in home lighting than has the layman. While the contest did not bring out an unusual number of contestants for the prizes, those who did participate showed unusual ability in choosing the right fixture for the right place and in selecting the amount of light needed. The percentage of correct or nearly perfect answers was decidedly higher than in the national contest which was concluded in January.

Nearly one hundred persons in the various Works were made happy with prizes ranging from a hundred dollars in cash to ten dollars. A sum totaling eighteen hundred dollars was awarded to the winners of the contest. Of course, everyone could not win first prize but there were many who won ten dollars who expressed a desire to try again at some future time, confident that another trial would find them among the leaders.

Many people voiced protests on the time of year which the contest was held, saying that the time for such activities was in the late fall or winter. That this is true goes without saying and it may be that those who were left out of this contest or were underisous of entering it because

of the fine summer weather will have another chance to show their skill, judgment and decorative ability in another contest at some future date. The real purpose of contests of this nature is to interest the employee in the complete application of electricity in the home that he may know its many advantages and know best how to use it.

Will Retire Bonds

Schenectady, July 19.—The General Electric Company, according to an announcement of its president, Gerard Swope, will retire on September 1, the entire outstanding issue of its 5% gold debenture bonds of 1912 due September 1, 1952, and amounting to \$15,136,500, at 107½% of the principal amount of such bonds and accrued interest.

A Million and a Quarter Dollars in Supplementary Compensation

Supplementary compensation to employees of the General Electric Company totaling almost a million and a quarter dollars was paid during the week beginning August 3 at all the factories and offices of the company. The actual amount paid is \$1,247,496, and the number of employees of the company participating in the disbursements is 29,558.

The payments cover the six months which ended June 30 last, and are being made only to those employees who have five years or more of continuous service with General Electric. The amounts paid to each individual constitute five per cent of the individual's earnings during the period covered.

Both the total amount paid and the total number of employees is considerably larger than the corresponding items for the last previous six months.

The amounts paid the employees at the various factories and offices are as follows:

Schenectady Works	\$ 446,476
Lynn, River Works	171,143
Lynn, West Lynn Works	60,707
Pittsfield Works	111,884
Erie Works	65,343
Fort Wayne Works	67,263
Edison Lamp Works	57,041
National Lamp Works	80,740
General Office	58,644
District Offices	86,204
Other Divisions	42,045

Total \$1,247,496

Gathered into the brilliance of the modern electric lamp are elements whose collection entails commerce with nearly every country in the world. Some of them are felspar from Sweden, manganese from the Caucasus, potash from Germany, schellac from India, tin from the Malay states, tungsten from Japan, sodium carbonate from British East Africa, troyolite from Greenland, cobalt and nickel from Ontario, niter from Chile, and Molybdenum from Quebec.

Our G-E Band

What is more effective in upbuilding and maintaining the morale of a community than the frequent pleasure of listening to the music of a good band? Surely there is nothing which more quickly and surely stimulates the good and the patriotic feelings of a people than a good old folk song or a martial air played by a well-trained band.

From the way our G-E band outdoor concerts are attended, it is evident that the masses appreciate good music. There is always variety to Director Verweire's programs, so that those who like the serious compositions dramatic in theme, those who enjoy the old familiar melodies, or those who prefer the humorous in composition or the better dance tunes, will always find something which they will especially enjoy. Our G-E community can scarcely help being a better community for the opportunities of frequently hearing the good offerings of our G-E band.

Group Life Insurance

Deaths Reported for July, 1925

Employee	Died	Beneficiary
<i>Schenectady</i>		
Geo. H. Van Dyke	June 7	Wife
William Siebe	June 15	Sons
Thos. L. McDonald	July 1	Wife
Frank Le May	July 12	Wife
Robert H. Fretlow	July 15	Mother
Carl J. Richenberger	July 18	Wife
Bert Loucks	July 19	Mother
Max Mader	July 20	Wife
(I G E) William Finnerty	July 4	Wife
<i>River Works</i>		
Madeline Pitchforth	July 6	Husband
<i>West Lynn Works</i>		
John L. Percy	May 10	Estate
Stella Sarros	July 11	Husband
Louis A. Downey	July 17	Wife
<i>Pittsfield</i>		
Arthur B. Perkins	July 5	Wife
<i>Fort Wayne Works</i>		
Florence M. Renken	June 22	Mother
Andrew Farrell	June 30	Wife
<i>Erie Works</i>		
Otis A. Webster	June 14	Wife
Joseph Heidt	June 23	Wife
Michael Kraus	June 25	Wife
Ella Nilan	June 28	Daughter
Joe DePaul	June 26	Wife
Joseph Gdanetz	July 4	Wife
John S. Chamberlain	July 9	Wife
Total 23 deaths		\$27,650

Donald D. MacMillan, famous Arctic explorer, says that the Eskimos of Etah were dumbfounded when they found sunshine bursting from a small glass bulb, or incandescent lamp. They could not understand how it could come through a solid wire, they could not grasp what made the light. Mr. MacMillan says, however, that the Eskimos' amazement over the electric light was mild compared to their excitement over the radio set which he had with him during the winter of 1923-1924. He states that it is hard to imagine the joy which their radio instrument brought up there in the shadow of the North pole, that great land of silence, when they danced to music of orchestras in Chicago and a dozen other American cities.

A Greater Vision of Electric Service

San Joaquin a Power of Power and Light

DEDICATED to electrical service and bearing the distinction of being the most brilliantly illuminated office building on the Pacific Coast, the new ten-story home of the San Joaquin Light and Power Corporation and subsidiary companies stands completed and occupied at the corner of Fulton and Tuolumne streets, Fresno, California. Built by more than 20,000 stock and bond holders for the use and benefit of more than 60,000 consumers, this new power building stands as a tribute to the confidence and vision of the men who pioneered the way in electrical development in the San Joaquin valley.

Twenty-eight years of constant development! This, briefly, tells the story of the history of the San Joaquin Light and Power Corporation. The corporation of today had its start with the San Joaquin Electric Company, which in 1892 made a feeble effort to light the city of Fresno with the output of a small steam plant. In 1896 this company built a hydro-power plant on the San Joaquin river, in the foothills, forty miles northeast of Fresno. This plant, with a capacity of 1,400 horse power, was the first in the world to generate electricity which was successfully conducted for a distance of thirty-six miles. This accomplishment was considered remarkable and caused considerable comment, not only upon the boldness of such a transmission enterprise, but upon the daring of the water power development itself, which had the great head of 1,412 feet under which the pipe lines and waterwheels were operated.

The San Joaquin Light and Power Corporation of today, with fourteen hydro and steam plants of 187,533 HP capacity, serving 66,441 consumers in 140 towns and cities, supplies power to a population of 400,000. Transmission and distribution lines cover an area of 35,000 square miles in ten counties. Probably no other electric utility in the world has contributed more fully to the agricultural development of any region, and to the comfort and convenience of rural home life, than San Joaquin power. More than one-third of its present sales arise from agricultural service.

Eighteen years ago the company rented a store in the old Commercial Hotel building for use as a general office. At that time twenty clerks were employed. The business grew steadily until the entire building was occupied by San Joaquin Power. About five years ago it became necessary to secure offices outside of the building. Early in 1922, departments were scattered throughout the city in seven different locations. The new office building has brought together all of these scattered departments in which 400 people are now employed.

The building is of reinforced concrete and steel construction, ten stories and basement, with frontages of 75 and 150 feet. From the sidewalk to the top of the radio

towers the total height is 235 feet. The two hundred rooms are occupied by the Power Company and its subsidiaries: the Midland Counties Public Service Corporation, the Bakersfield and Kern Electric Railway, the Valley Electrical Supply Company, and the Fresno City Water Corporation. The new building is entirely dedicated to public service. It was designed for this purpose and every feature installed with this in mind. In many respects the building is in advance of any other office building on the Pacific Coast. It typifies the wealth and resources of the heart of California where the magic touch of electricity is transforming deserts into gardens and turning the wheels of progress.

The new San Joaquin Power building is conceded by illumination experts to be the best lighted building in the world.

At night the entire street faces of the building are painted in variegated colors from rows of concealed floodlights, surmounted by cauldrons of light-colored steam. Frequent changes in color combinations are possible, as there are forty-five different color schemes. On the crest of the roof is the gigantic San Joaquin Power electrical sign, visible for many miles from all points in the valley. The floodlighting of the building is attracting wide attention. Electrical engineers who have seen the illumination have pronounced it to be the most spectacular and beautiful used on any building in the country today.

The building has been designed for convenience and comfort of customers and to maintain and promote the highest efficiency in the various departments.

The public counter on the main floor provides ample room for the transaction of business with customers for electric or water service. Two cashiers' booths make it unnecessary for customers to wait in line to pay bills.

Additional equipment consists of a complete medical department, a spacious auditorium and library for educational and recreational activities and a radio broadcasting station in the attic. Even in the short period of occupancy it has been found that the spirit of co-operation and loyalty among employees has been intensified, resulting in higher efficiency and better service. San Joaquin is now paying dividends to the stockholders who supplied the money to make this building possible, instead of rent to a landlord for an office that was inadequate for business needs.



NEW TEN-STORY HOME OF SAN JOAQUIN POWER AND LIGHT

General Electric motors play a big part in the efficient working of this huge business plant. The heating and ventilating equipment was installed by Luppen & Hawley, G-E motor dealers of Sacramento, and laid out by Hunter and Hudson, heating and ventilating engineers of San Francisco. Twenty G-E motors with a combined horse power of 309 are used to drive the large ventilating fans, pumps and ice machines. A closed air ventilating system is used which provides for recirculation of air after purifying. Provision is made for cooling, washing, heating and ozonating the air before it is circulated through the building.

The San Joaquin Power Corporation is now planning for even greater developments in the future in order to meet the ever increasing demands of a growing population, new farms and new industries. Proposed physical merger of the San Joaquin Corporation with the Great Western Power Company (which has transmission lines running as far south as Oakland), will make it possible to combine the wonderful facilities of these two utility companies and to give even better service to

the public. When the plans which are being made for a 220 K.V. tie line between the transmission lines of the two companies are completed, the scope of service and development will be still further enlarged.

The current now generated in the San Joaquin Company's fourteen power plants which spreads over ten counties for varied domestic, commercial, agricultural and industrial uses will be joined with the output of the Great Western Company's big stations, including the Caribou power plant on Feather River, which will eventually have a total of six 22,222 K.V.A. generators. Plans are also being made for the San Joaquin Company's Balch power house which will have ultimately, four 33,000 K.V.A. generators, operating under 2,470 foot static head.

The area embraced by these companies is greater than the combined areas of Massachusetts, Connecticut, Rhode Island, New Jersey, Delaware, the district of Columbia and Vermont. In variety of resources and potential development in agriculture, industry and mining, this inland California empire perhaps surpasses any area of equal size on the globe. The territory is rich in virtually every natural resource. On one side is the great Pacific. On the other is the Sierra Nevada range, containing some of the wildest and most beautiful scenery in all America. Between is space for a quarter million farms, for the gardens of a nation, for great dairy herds, for factories and for homes. It is with this vision of a day to come when this territory shall have come into some measure of its heritage that the San Joaquin Light and Power Corporation is planning its development.

Lightning is a gentleman and observes the rules of the Marquis of Queensbury—it won't strike a man when he is down, according to electrical engineers who have experimented with man-made lightning. Experiments with 2,000,000 volts of electricity have shown that the possibilities are that a man standing directly under a storm cloud would be struck 50 times in 100 strokes, while a man flat on the ground would be struck only once in a hundred strokes. If you are out in the open in a severe electric storm, lie down.

In July, 1924, a car house fire destroyed forty street cars of the Grand Rapids, Michigan, Railroad Company. The company determined to use a new method of selecting a type of car to replace those lost. Three manufacturers of street cars were invited to submit a sample car to comply with specifications prepared by the company. These cars were to be placed in actual service and the street car riders to make their choice as to the type of car which they preferred. The conditions of the competition among the car builders included light weight, noiselessness, comfort and the element of novelty to attract the public. This competition is being watched by street railway companies throughout the whole country.

Decatur Works Section

Dwight Kimble Wins Fifty Dollar Award

The Committee on Suggestions announces the following awards made to Decatur employees up to August 22:

Dwight Kimble, an award of \$50.00 on a dust proof chuck for turning the rabbit fits on the stators made at Decatur. This chuck is much superior to the one previously used. A photograph of Mr. Kimble appears above.

Francis Howell, an award of \$10.00 on a die for making balancing plugs used in testing motors at Decatur.

James H. Ward, an award of \$5.00 on a gauge for the second operation on shafts made at Decatur.

Employees of Tool Department Enjoy Outing at Bear Lake

At 12:30 Saturday, August 14, employees of the Tool Room Department, Decatur Works, left the plant in automobiles for Bear Lake to enjoy a week-end outing. After considerable trouble with Mike Kimble's car the boys arrived and camp was pitched for the night.

The fishing and swimming were enjoyed by all, but Clyde Berry proved to be the only successful fisherman by landing a three-inch sunfish.

Camp was broken Sunday evening, and a tired and happy bunch of boys returned to town. Everybody voted Mike Kimble as a chef supreme.

Changes in the Plant Personnel

Henry Meyers and Charles Laurent recently resigned their positions with the G-E Company to accept employment with the Inland Steel Company at Gary, Ind.

Miss Vera Eady, of the Payroll Department, tendered her resignation, effective Saturday, August 22, 1925.

Miss Katherine Hylan has accepted a position in the Payroll Department. Other new employees of the plant are: Leona Johnson, Alda Bowen, Frank Elkins, John Frisinger, Beryl Byer, Margaret Waltke, Harold Swartz, Harley Welker, Joshua Lister, Thomas Kitson, Noah Robinson, Frank Major, Henry Dellinger, Alvie Liby, Doyt Pettit, Herman Lengerich, Herbert Oakley, Raymond Hill, Harold Pyle, George W. Hamma, Vernon Beatty, Bryan Myers, Howard Mills, Theodore Miller, Clarence Strickler, Dove Stopher, Janice Risher, William Gay, Edward Kelly, Clayton Fraylick, Erman Johnson, Curtis Baxter, Alfred Droege, Olive Walters, Ralph Ernst, and Floyd Ehrman.

The college students who have been working at our Decatur Plant during the vacation period and who will return to their respective schools in September are:



**DWIGHT KIMBLE AWARDED \$50
FOR SUGGESTION**

Lawrence Beal, Franklin College; Robert Mills, Purdue University; Richard Frisinger, Center College; William Linderman, Indiana University; Fred Coffey, Indiana University; Harry Yahne, Michigan University; Gordon Engeler, Indiana University; Hugh Holthouse, Notre Dame; Charles Lammiman, Wabash College; Bud White, Indiana University; Glennis Elzey, Indiana University; John Teeple, Purdue University; Milton Swearingen, Franklin College.

Vacations

Ben Hoagland, of the Inspection Department, is enjoying a week's vacation, August 31 to September 7, at Winona Lake.

Tillman Gehrig and family are spending two weeks, August 24 to September 7, in the vicinity of Delle, Wisconsin.

Verena Miller, of the Payroll Department, is spending two weeks visiting The Shades, and other points of interest in southern Indiana.

Dwight Kimble and family camped at Bear Lake from August 24 to 29.

Earl Blackburn, of the Tool Room Department, is spending his vacation, August 31 to September 7, at Lake Wawasee.

E. W. Lankenau and family toured the eastern part of the United States on his vacation from August 10 to 24.

Weddings

Frank Braun, foreman of the Winding Department, was married August 15, to Miss Eva Breevaugh, of Huntington.

Fred Coffey, of the Punch Press Department, was married at Indianapolis August 16, to Miss Pauline Loken, of Bloomington. The WORKS NEWS is glad to carry the congratulations and best wishes of all Decatur Plant employees to these newly married folks.

The less a man's time is worth the less willing he usually is to take the necessary precautions for safety.

Coming Fall and Winter Months Offer Renewed Opportunities for Study

Unusual Facilities for School Work or Home Study Available to Em- ployees of Our Works

THE advent of the month of September brings with it the resumption of the activities of the various schools throughout the length and breadth of our land. Perhaps some of us may somewhat envy those who will soon return to their studies for it is natural that we appreciate the advantages of the school days more after some years of experience in active business and industrial life.

Employees at our Fort Wayne Plant however, have rather unusual opportunities for further educational work that can be done following the closing hours of the plant. These opportunities are:

1st. The G-E Technical Night School, the classes of which will begin September 28. Several new courses have been added this year such as, Public Speaking, Stenography and Typewriting, and Mechanics. In all eleven courses will be offered this year, the tuition to be only \$4.00 per term, and this will be refunded to all who make a satisfactory grade and attend at least ten of the twelve sessions of the classes during a term. Folders giving detailed information on all the courses offered will be distributed in the near future. Watch for them, for some of the courses should be of interest to you.

2d. Courses in collegiate work under approved University instructors again will be available to Fort Wayne people, through the local center of the Indiana University Extension. The classes will meet at the Central High School building, corner of Barr and Lewis streets, and as most of the classes meet in the evening and after our closing hours, they therefore can be attended by employees of our Works. The classes are open to anyone. It is only where college credit is desired that any questions are asked as to educational preparation on the part of the student. College credit will be given on nearly all of these courses to those who qualify as to scholastic prerequisites and pass satisfactory examinations over the work covered. The fees for these courses are considered reasonable in view of the grade of work offered. The classes will start during the week of September 21. Bulletins will be available in a few days, in the Industrial Service Department, Building 19-1 and in the Works Library, Building 18-5.

3d. Six home study courses are available through the Works Library at no expense whatever, to the employees taking advantage of them. The courses are:

The Alexander Hamilton Institute Course in Modern Business.

Industrial Extension Institute Course in Business Essentials.

Emerson's Course in Personal Efficiency.

American Correspondence School Course in Modern Engineering Practice.

A. W. Shaw Course in Factory Management.

Complete information will be given to anyone interested on calling at the Library, Building 18-5.

4th. A number of mechanical, electrical, scientific and business magazines and a number of similar books are also available in the Works' Library to any and all employees of the plant who may care to utilize them. Magazines will be sent out by factory mail on receiving telephone requests 'phone 570, but books should be called for in person or by messenger.

5th. A deposit of books from the Public Library is also available in the Works' Library to all employees of the Works. Regular public library cards are used in borrowing these books. The deposit contains books of all classifications. Special service in securing books of educational and cultural nature is gladly given by the library attendant.

With such educational and cultural advantages right at hand, it is scarcely in order for any of us to feel that with our school days our opportunities for study and advancement have passed beyond recall. No doubt many Fort Wayne Works employees will avail themselves of some of these opportunities for further study during the fall and winter months just ahead.

Loyal Decker of Building 4-3 Host to Party at Blue Lake

A LIVELY bunch from Building 4-3, held a marshmallow and weiner bake, August 11 at the home of Loyal Decker, who is spending the summer at Blue Lake. When the gang arrived a big fire was started and soon all were enjoying "hot dogs" with the exception of Decker, who couldn't take time to roast his.

After the bunch had eaten all they could hold, everyone went to the dance hall and danced for a while. At midnight all took a ride in Decker's Ford down to the bathing beach, and took a dip in the lake. Frank Barnd was in such a hurry to get into his bathing suit that he pushed his foot through it and being a very modest man, he had to stand on the pier and watch the rest swim.

Those who enjoyed the evening were: Mr. and Mrs. Dewey Lieberenz, Mr. and Mrs. Carl Dietche, Mr. and Mrs. Frank Barnd, Viola Solt, Josie Steward, Mary Gordon, Walter Kessinger, Frank Monier, Harry Hydeman, Mr. and Mrs. Loyal Decker, Wayne and Billie Decker.

The price of Safety is only a thought but some people are bankrupt.

A pay check is bigger than a relief check.

Caution never brings regret.

Practice safety and you will have the laugh on the doctor.

Accidents are someone's fault; don't let them be yours.

Big Crowd Attended Band Concert and Social

Spectators Slightly Sprinkled During Water Battles Staged by Firemen As Special Event

ONE thousand was the estimate of the number in attendance at the mid-summer band concert and ice cream social given by the G-E Employees Recreational Foundation in McCulloch Park, Thursday evening, August 13. The night was ideal for the social, a rather unusual bit of good luck for this kind of G-E event. Even though there was a cloudless sky overhead, some of the people in the crowd got a bit damp from being a bit close to the scene of action in the water battles. No one seemed to worry about the sprinkling they received, as the night was warm and the water battles were the closing events.

The G-E bandmen were out in force and the program they gave was exceptionally fine. As usual Director Verweire had arranged a varied program so there were selections which appealed to the tastes of all. No number on the program failed to receive a generous round of applause.

The G-E Glee Club under the direction of I. H. Freeman made its initial public appearance on this occasion and gave five numbers which were enthusiastically received. The club is to be commended for its faithfulness toward practice during the summer months and the results of such hard work were much in evidence in their appearance on this night. As G-E employees we may well be proud of this our newest musical organization at our Fort Wayne Works.

Officially there were no decisions in the water battles which closed the night's events. There was every evidence, however, that the visiting competitors of our G-E teams, the Bass Foundry and Wayne Tank boys, take to the sport of the water battle quite as enthusiastically as do our G-E firemen.

The many youngsters in the crowd must have enjoyed the evening quite as much as those who were grown up, for the ice cream and other confections which were on sale and the novelties which were available gave the evening a real circus day effect. All who were in attendance should have only the most pleasant memories of the affair.

The lamp of tomorrow is here. Still better lights and a great simplification of lamp types and sizes is the Mazda lamp manufacturer's latest announcement. The new lamp is frosted on the inside to prevent scratching of the finish and accumulation of dirt. A 25-watt size, intended primary for residential use, is now on the market. Other units of the new line of lamps are now being developed by the General Electric Company to take care of all General lighting service. It is believed that five kinds of lamps will eventually replace forty-five of the present type.

More care means fewer cares.

Case of Pop Star Rooter In Foremen's Baseball Game

Grand Dinner and Royal Good Time Featured Foremen's Stag Picnic

ON Saturday, August 8, the Foremen's Club held an outing at Pleasant View Cottage on the St. Joe river. Usually in describing an event of this kind the first topic mentioned is the weather. We will dismiss this with one sentence. The weather was threatening, that is, the sun threatened to come out several time, but never quite managed to make it.

This, however, has nothing to do with the crowd which came out in full force promptly after work and proceeded immediately to devour a cafeteria dinner, provided by Lloyd Platt and his assistants. The menu consisted of ham, beans, potato salad, sandwiches, ice cream, cake, and coffee.

Usually after a repast of this character, the average person would be inclined to take a long rest, but this is not so with the foremen. They started in immedi-

ately to pitch horseshoe and play volley ball. Although the horseshoe games were interesting, for the participants, the real enthusiasm was centered about the volley ball contest. Considering their lack of experience and the condition of the court, the gang did remarkably well in playing this game, and the enthusiasm shown bids fair to make this game one of the popular ones about the Works.

In the middle of the afternoon the crowning event of the day took place, namely, the baseball game between the east and west sides. The east side got away to an early lead of twelve points while their opponents made only two. The star twirling of Otto Nahrwald with the able assistance of Fred Banks at first base and Claude Gettys at the main sack did much to keep down the west side's score. Seeing defeat stare them in the face, the west side adopted desperate tactics to stave it off. They accused the umpire, Fred Duryee, of making unfair decisions, but failed to make any impression. They then adopted a different method of strategy and two of their numbers went to the cottage and got a case of pop, which they distributed freely among the east side players, the result being that the east side

players were so waterlogged that they couldn't catch the ball and very nearly lost the game, the final tally being 12-10 in their favor. Had Billy Wehrs and Hank Lepper been on the scene a few minutes sooner, we might have had a different story to tell.

After the ball game the crowd returned to the cottage where a few more games of horseshoe were indulged in and the remainder of the eats were attacked with the intention of annihilating them. At a late hour the crowd made preparations for departure, thanking Lloyd Platt and Harry Zimmerman for the preparations which made the event a success.

Prediction is made by the American Society of Mechanical Engineers that the flame of the electric arc may replace the rivet and that the steel skeleton of the future building may be a single welded unit. It is said that this method would save the cost of drilling thousands of rivet holes, that the strength of an arc weld is equal to that of the parts welded and that a welded joint is impervious to water, oil or gas. Finally, the expense of welding is said to be only three-fourths that of riveting.



VIEWS OF FOREMEN'S PICNIC AT HARRY ZIMMERMAN'S COTTAGE



E. J. GRAHAM



THEODORE TRENKLEY

Quarter Century Club Announces Two New Members

The secretary of the local Quarter Century Club has just announced two new members, E. J. Graham and Theodore Trenkley, who qualified by twenty-five years of service at the G-E, on August 27 and 28 respectively.

Mr. Graham began work in the Meter Testing Laboratory in Building 16 under E. J. King, who was then the engineer in charge of meter work, on August 27, 1900. After some little time, Mr. Graham was given charge of the Testing and Standardizing Department, and in 1920 had advanced to the position of Meter Production Supervisor. In the summer of 1922 he was made Superintendent of the Meter Department in charge of manufacturing

and production and held this position until July 1, 1923, at which time he was transferred to his present position as Assistant Manager of the Fractional HP Motor Manufacturing Department.

Mr. Trenkley first came to work here at our Plant on August 28, in the year 1900. He was a trained clockmaker by trade when he came here, and as such was well fitted to handle the delicate work of assembling on the watt hour meter registers, his first assignment to duty under Foreman J. J. Bauer. The "Duncan" meter was the type on which Mr. Trenkley first worked but as designs changed, he continued on the mechanism assembly, thus helping build all the various types K and finally our present design, the type 1-14. It is on general assembly work on the type 1-14 meters that Mr. Trenkley is now engaged in Building 19-5.

Among Our Absent Employees

The WORKS NEWS has recently learned that Theodore Pickel, for years a well-known helper in our foundry, has moved from his former home on Jackson street to 1123 St. Mary's avenue, over in Bloomington. Mr. Pickel is undoubtedly one of our oldest employees, as he is now in his eighty-third year. Up until about fifteen months ago, when because of failing health he was forced to remain at home, Mr. Pickel could be found regularly at his place in the foundry. He first came to work at the G-E on December 9, 1905, and although then over sixty-two years of age, soon proved himself to be a very able and faithful employee. Happily Mr. Pickel is able to be up and around the house and no doubt would be glad to have his old friends drop in any time and give him the news of the shop.

Arthur Johns, employed in the Punch Press Department, Building 4-1, has been confined to his home at 4102 South Wayne avenue for the past month, suffering from rheumatism. He now reports that he is feeling some better and hopes it will be only a short time until he will be able to return to work.

Mrs. Grace George, of the Meter Inspection Department, has been absent from her work for several weeks suffering from stomach and nervous trouble. While her condition is somewhat improved, it will be some time before she will be able to return to work. Mrs. George resides at 924 Anthony boulevard.

Miss Edith Katte, employed in the Fractional HP Motor Department has been confined to her home at 1224 Van Buren street, recovering from a tonsil operation. She is now well on the road to recovery and has gone to the home of her sister in Chicago. Miss Katte is sure that she will be able to return to work about September 1.

Joseph Killian, of the Maintenance Department, is a patient at the Burelson Sanitarium, Grand Rapids, Michigan, taking treatments for a nervous condition that he has suffered from for some time. He writes his fellow workmen that he is feeling a great deal better and is expecting to return home in a short time.

Elizabeth Sheets, of the Fractional HP Motor Department, is confined to her home at 1516 Wells street, suffering from an attack of appendicitis. The doctor attending her is quite sure that an operation will

not be necessary and that a few weeks' rest will be all that is required to enable her to return to work.

John Scheffer, employed in the Meter Department, Building 19-5, has been away from work for the past six weeks suffering from ulcers of the stomach. There seems to be very little change in his condition and he is doubtful when he will be able to return to his duties. He resides at 112 Liberty street.

Alma Volz, employed in the Small Motor Department, Building 4-4, is now at her home, 415 East DeWald street, recovering from an operation for appendicitis. While her condition was very unfavorable at first, Alma now reports that she is feeling fine and hopes to be able to take up her duties in the near future.

G-E Squares News

New Students Arriving—Transfers and Vacations Feature Squares' News of Past Month

QUINTIN TEICH, a former G-E Squares member and until recently engaged in service work at the Chicago office, spent August 12 and 13 visiting friends at this plant prior to taking up work in the company's office at Davenport, Iowa.

L. O. Adams returned August 17 from a two weeks' vacation spent at his home in Arcola, Illinois, and also at Greencastle, Indiana.

Paul Stough of the Apparatus Engineering Department together with his wife, spent the second two weeks of August visiting their relatives in Lafayette, Indiana.

The following engineering graduates have arrived since the last issue of the NEWS, to take up the student course:

Lloyd Dockal, Claude Voss and Odin Griffith, of Iowa State College; Lisle Townsend, of Syracuse University, and Theodore Volkmer, of Iowa University.

W. L. Seckel of Ohio State University and L. F. Kaemper of Illinois University, both graduates in Mechanical Engineering class of 1925, have been engaged as designing engineers in the Planning Department, Building 16-3.

H. G. Hoglund of the Fractional HP Manufacturing Standards Department, visited friends in Indianapolis the week of August 17.

W. J. Morrill delightfully entertained the members of the Squares with a stag party at his home on South Broadway, Wednesday evening, August 12. The evening was spent playing cards, eating and smoking. Quintin Teich, a former member of the Squares, who is now located at Davenport, Iowa, A. Chetham Strode, and L. F. Kennedy of the Switchboard Department at Schenectady, were special guests at the party.

L. O. Adams of the Transformer Engineering Department has been transferred to the Transformer Accessory Section at the Pittsfield Works, taking up his duties on August 31. The gang will

miss "Red" as he was quite active in anything that the organization attempted to carry out. However, he has received a boost and the ones that are left behind are pulling strong for him and will always remember him as a "square shooter" in anything that he undertook.

Joe Eitman of the Transformer Engineering Department, reports a wonderful time on his vacation which he spent at his home in Iowa the second two weeks of August.

Paul Vance of the Transformer Engineering Department returned August 31, from a two weeks' vacation spent in Illinois and Kentucky.

E. R. Woodworth, a graduate electrical engineer from Iowa State College, class of 1925, is assisting Mr. Wylie of the Electrical Maintenance Department.

E. L. Misegades of the Industrial Service Department is spending his vacation visiting relatives and friends at Peru, Kansas.

The G-E Squares entertained recent college and university graduates at a picnic supper Tuesday evening, August 4, in Swinney Park. After the bounteous supper which was planned by J. F. Eitman, chairman of the social committee, a short talk was given by E. J. Thomas, president, urging the new men to become associated with the organization. A call for athletes was made by H. R. Cass, chairman of the athletic committee, while J. F. Eitman talked briefly on the possibilities of organizing an orchestra among the members of the club.

At 8:30 the meeting was adjourned to the dancing pavilion. There were forty members and guests in attendance.

Trend in G-E Financial Policy

By C. M. RIPLEY

Between January, 1923, and December 31, 1924, the G-E Company paid off \$18,000,000 of its bonds. This summer the Company will pay off \$15,000,000 more, being the bonds due in 1925.

I asked one of the officials why they decided to pay this debt twenty-seven years before it was due. His answer was: "If you had money in the bank, and if you owed money on which you were paying 5% interest, wouldn't you call it good business to pay your debts? That's what the G-E Company did, and by paying off the bonds this year, the Company avoids paying 5% each year for twenty-seven years to come."

The chart with this article reveals some other interesting facts regarding G-E financing. It shows that in 1921 the General Electric Company:

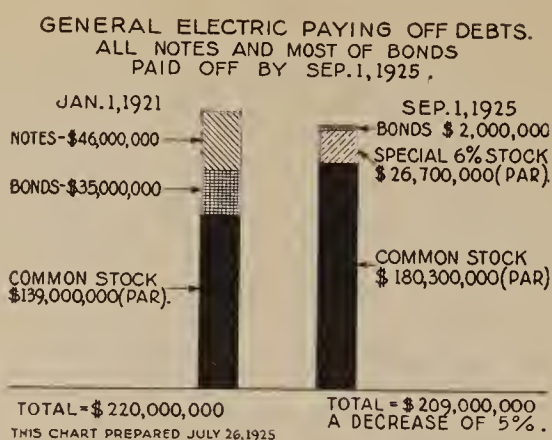
Owed \$46,000,000 it had borrowed on notes;

Owed \$35,000,000 it had borrowed on bonds that it had issued;

\$139,000,000 of capital stock.

On all of the above, the Company paid interest or dividends.

In the financial world, stocks are not considered debts—merely certificates or evidence of ownership. But notes and bonds are debts. By September 1, 1925,



the Company's debts will have been reduced to \$2,000,000, because:

\$33,000,000 of the bonds will have been paid off by that time, and

All the notes were paid off three or four years ago.

Therefore, in less than five years, the General Electric Company will have reduced the above debts from \$81,000,000 to \$2,000,000 or 97½%. But during the same time, they have increased the issue of stock to \$207,000,000.

Net Results of Change

As a result, the total sum on which the Company must pay interest or dividends will have been reduced 5% in this period of time; for as the chart shows, the *decrease in debts is greater than the increase in outstanding stock.*

Some people use the term "total capitalization" to describe the sum of outstanding notes, bonds and stocks. So the "total capitalization" will have decreased 5% in less than five years.

So, by September 1, 1925, the entire G-E funded debt will only be the \$2,000,000 in bonds still unpaid. The interest on these bonds is 3½% per annum, or \$70,000 per year.

(This article was written July 27, 1925)

Crystal Analysis Apparatus Sent to English Scientist

An x-ray diffraction equipment, by which the crystal structure of matter can be investigated, has been presented to Sir William Bragg of the Faraday laboratory of the Royal Institute of Great Britain, by the General Electric Company.

Sir William Bragg, his son, Professor W. L. Bragg, and their associates developed a method for studying crystal structure by the use of large, perfect crystals. The apparatus developed by the General Electric scientists makes use of powdered material in obtaining similar results, and simultaneously makes twelve x-ray analyses.

Included in those using these diffraction equipments in this country are the General Electric and three other industrial laboratories, ten colleges and universities, and two government bureaus.

The fellow who is hard boiled with regard to accident prevention is only half baked.

New Type of Illumination Developed for Microscopes

A NEW method for the illumination of microscopic specimens has been made possible by the use of rods of clear fused quartz. The facts that quartz absorbs a very small portion of the light and has a high melting point make its use in this work advantageous. The light conveyed through a solid quartz rod is sufficiently brilliant to illuminate high power objectives without the additional use of sub-stage condensers. The rod also gives better detail than the ordinary methods of illumination. The ends of the rod are ground uniformly, but not polished. Diffused light thus obtained obviates all trouble from images of the filament. It is also possible to work farther from the light source to avoid heating of specimens.

Miss S. B. Leiter, metallographist in the research laboratory of the General Electric Company, has been obtaining satisfactory results with several types of clear fused quartz illuminators. For use with the ordinary small microscope, a half inch quartz rod with a right angle bend is used. The light source is a small moving-picture lamp, with the lens removed. The intensity of the light is regulated by a rheostat. There is less loss of intensity than when the light is reflected from a sub-stage mirror, and the light can always be directed to the stage of the microscope where wanted.

In the case of the inverted type of microscope, where illuminating a transparent specimen has presented difficulties, the use of quartz rods is especially convenient. Since intense heat does not shatter quartz, one end of the quartz rod can be placed immediately over an arc, and better illumination conveyed to the specimen.

Automobile Accidents

The following table shows the number of feet per second that you are traveling when driving at various speeds:

Speed in Miles Per Hour	Feet Traveled Each Second
10 miles.....	15 feet
15 miles.....	22 feet
20 miles.....	29 feet
25 miles.....	34 feet
30 miles.....	44 feet
35 miles.....	51 feet
40 miles.....	59 feet
45 miles.....	66 feet
50 miles.....	81 feet

Just think—you go eighty-one feet every second when you drive at fifty miles an hour! And a second is only four winks.

Think it over the next time you see obstructions ahead of you on the road. Remember that you are covering fifty-nine feet every second that you are driving only forty miles an hour. Will you have time to stop in a pinch?

(Adapted from an article by Mr. John Ahrens, Safety Inspector, of the Penn Public Service Company, Johnstown, Pa., appearing in the Penn Public Bulletin.)

Girls Department



September 16th is Date For Elex Annual Banquet

As in previous years, the Elex annual banquet will be one of the big events of the year, and no member should fail to attend. The occasion marks the election of officers for the ensuing year, in which every member should be interested.

The conference delegates will be there and give a brief report of the happenings at Camp Gray, Saugatuck, Michigan. The committee has planned to send at least a dozen invitations, all of which we hope will be accepted. The entertainment committee in charge of table decorations and the menu, we know will be just right as Marie Grothouse is in charge.

For the past seven or eight years, the club has been meeting one evening each week for classes; business meeting came once a month on one of these same nights. A change has been suggested and girls should come to the banquet and have it explained to them in detail; they will be given the opportunity to vote on whatever scheme they would like best. One plan is that the club meet twice a month, one evening at our own Plant for either a social or business meeting, in order to better know our own girls, and one evening at the Y. W. C. A. for either a social or business meeting, to get acquainted with girls of other clubs and exchange ideas with them, also, to better know the "Y" and take advantage of all the opportunities offered there. Both meetings are planned to be supper meetings.

There will be no special classes for just industrial girls this year. Instead a general list of classes is to be offered which anyone may attend. The proposed list is as follows:

Citizenship, China Painting.

Jesso Craft or Polychrome Clay Work.

My Dream House (a continuation of last year's class),

Public Speaking, Interior Decorating, Sewing, Choral Club, Ukelele Club.

What to Read and Why.

Trained Attendant Nursing.

Classes in the last six of the proposed list will be given only on condition that there are at least ten registrations for a class. Records prove that Elex had the best class attendance last year of any Industrial Club in the Federation. Let's keep up the good work this year.

Tickets for the banquet will be handled by the membership girls. This will offer an opportunity for introducing the club and all its advantages to new girls about the Plant. We hope our membership for the coming year will outnumber that of any previous year.

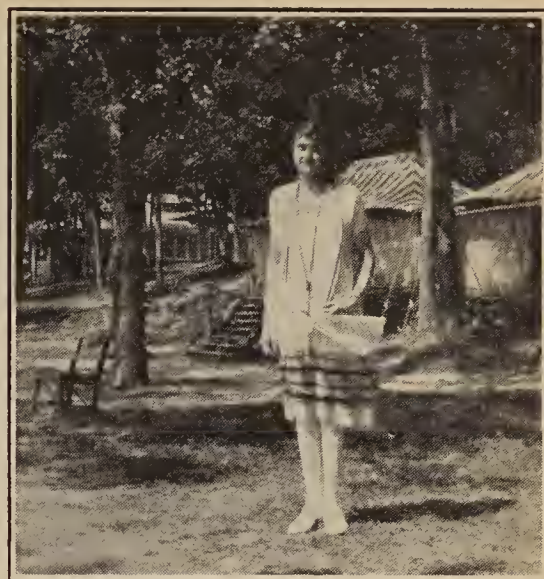
Elex Members and Friends Have Picnic at Stoner's Mill

The weather man smiled his sweetest on Saturday afternoon, August 22, when the Elex girls boarded the G-E truck which waited for them at Building 16, to take them out to Stoner's Mill. Girls who failed to make their appearance at 2:30 certainly missed a good time. We are sorry that pictures taken at the picnic could not be developed in time to have them printed in this issue of the NEWS.

Due to vacation time, many girls were unable to attend the picnic, nevertheless several newly employed girls and friends of club members came along, and to judge from the laughter which never died down entirely during the whole afternoon, they enjoyed it quite as much as members of the club.

Josephine Majors, one of the chief entertainers, did her best to keep everybody happy, but when she came along with her huge basket of lunch and displayed the contents, there simply was no end to the Oh's and Ah's.

Stoner's Mill is an ideal picnic ground, about eleven miles north of the city. The name indicates that at one time the wheels of a mill were turned by the stream which now flows lazily along at this place. The nice sandy bottom of the stream makes a good place to go wading, and the girls availed themselves of this opportunity. There was only one objection some of the girls (especially Lillian Steup) had to this pastime, and that was the presence of so many crawfish in the water. The crawfish certainly were quite harmless, but they did provoke some of the girls to give



LAVERA VAIL AT LAKE GENEVA
Where She Represented Blue Triangle

that cry of "a maid in distress" but no hero of fairy land lore appeared on the scene, which after all was quite unnecessary.

After the bounteous pot-luck supper, everyone was ready to get back on the truck for the ride back to the city. The Misses Mildred and Minerva Buecker followed the G-E truck all the way out and back in their own car where they were quite secure from the arctic breeze which the girls on the truck noticed very much on the way going back. In an effort to keep warm the girls huddled together which provoked "Joe" Majors to remark that it looked very much like a petting party.

After singing all the old familiar songs and some new ones brought back from conferences, the girls arrived in Fort Wayne about 7:30, tired but happy, and pronouncing it a day well spent.

Personals

Among our women employees who have taken extensive trips during the summer



VIEW AT LAKE GENEVA—YERKES OBSERVATORY

and have again resumed their duties, to serve the Company more faithfully than ever are: Miss Lillian Steup, who attended a six weeks' summer school course at the University of Wisconsin; Miss Anna McCarthy of the Order and Stock Department, Building 18-2, who with two friends, Miss Luella McGuire and Miss Maze Betzner, former employees of this Company, enjoyed a trip through Yellowstone National Park; Miss LaVera Vail, stenographer in the Executive Department, who attended the Y. W. C. A. conference at Lake Geneva, Wisconsin, as a representative of the Blue Triangle Athletic Association, and the Misses Hilda Walda and Florence Case, of Building 4-5 and 19-5 respectively, who enjoyed a motor trip to Milwaukee and the Dells, in Wisconsin, St. Paul and Minneapolis, and on to Wahpeton, North Dakota.

Miss Kinna Leaves For Schenectady Works

Miss Beulah Kinna of our Industrial Service Department left us August 29, to report at the Schenectady Works, where she will be connected with the Industrial Service Department. Miss Kinna came here about two years ago to undertake some special work in connection with certain occupational problems affecting our women employees, and it is to continue such work among the women of the company that she has been transferred to the Schenectady plant.

Shipping Department Employees Surprise Miss Beatrice Earnhart

News of the marriage of Miss Beatrice Earnhart, stenographer in the Shipping Department, leaked out some way, at least her associates in the office found that she had been married on August 1, to Mr. Harley Snyder, of South Bend, and that the couple had gone to Niagara Falls and Ontario for their honeymoon. Accordingly upon her return to the office on Wednesday, August 19, Mrs. Snyder found her desk beautifully decorated in purple and white crepe paper streamers as only some of the Shipping Department's artists know how to decorate. The center piece

of her desk was a lovely silver cake basket, a gift from her co-workers.

ATHLETICS

G-E A. A.

City Industrial League Ends Season With a Tie for Lead

After the G-E team had been defeated, 3-2, by Wayne Tank in a real pitchers' battle, the always dangerous Western Gas nine slipped a victory over the Waynes in the final game of the season. The score was 5-4, the winning run being scored in the last inning by Western Gas as a result of a circuit smash by George Weberuss over the left field fence. On the same day the G-E team disposed of the International Motors team by the score of 7-6 in an interesting game. The standing of the teams at the end of the schedule was as follows:

	W	L	Pct.
General Electric	9	3	.750
Wayne Tank	9	3	.750
Western Gas	4	6	.400
International Motors	4	6	.400
Pennsylvania	1	9	.100

A three-game series will be played to determine the championship between the General Electric and Wayne Tank teams, the first game to be played Saturday, August 29. All games will be played on Lincoln Life field.

Williams is leading the G-E team in hitting with an average of 516 for eleven games. B. Hamilton is second with 396 for 12 games. The individual averages of the players follow:

	G	AB	H	Ave.
Williams	11	31	16	516
B. Hamilton	12	43	17	396
D. Hamilton	12	44	17	386
Watt	11	40	15	375
Rockhill	10	29	10	345
Harwood	10	15	5	333
Romine	11	25	8	320
Huth	6	20	6	300
McKeering	9	27	7	259
J. Henry	12	43	11	256

Barney	11	35	8	229
Fox	3	2	0	000

G-E Team Leading Y. M. C. A. League in Second Half

The G-E team in the Y. M. C. A. League has not lost a game in the second half of the season, winning from Bowers and Dudlo and getting a forfeit from Tokheim. Dudlo, winners of the first half, have lost two games and Tokheim, who was in second place, has not won a game. In the second division Wayne Knit have not lost a game and are leading that division. The standing of the league, August 26, follows:

Division A

	W	L	Pct.
General Electric	3	0	1.000
Bowser	2	1	.666
Pennsylvania	1	1	.500
Dudlo	2	2	.500
Tokheim	0	4	.000

Division B

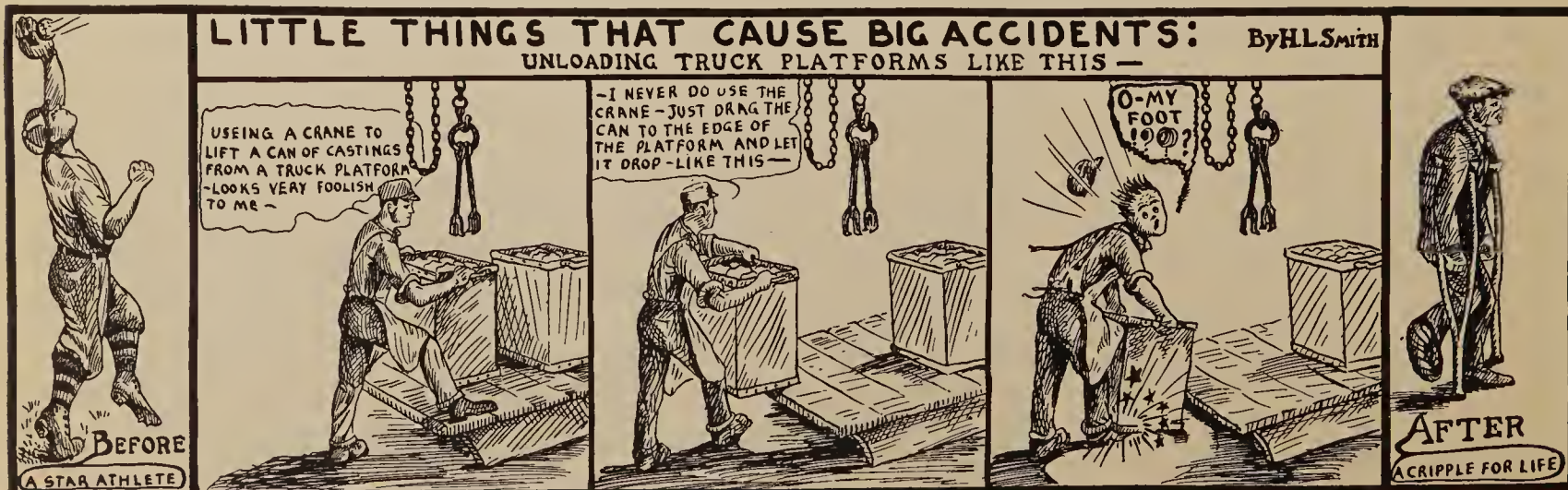
	W	L	Pct.
Wayne Knit	3	0	1.000
Utensils Co.	2	1	.666
Wabash	1	1	.500
Printing Co.	1	2	.333
Wayne Tank	0	3	.000

Daly is leading the amateur nine in hitting with an average of 591 for seven games, followed by Enders with an average of 500 for nine games. The individual averages of the players who have participated in at least half of the games follows:

	G	AB	H	Ave.
Daly	7	22	13	591
Enders	9	42	21	500
Roembke	10	39	17	436
Walker	9	31	13	420
Glenn	9	39	13	333
Kammeyer	9	30	10	333
Stahl	10	38	12	316
Reynolds	9	33	10	303
Beedenweg	9	34	8	235

Schlup-Joseph Win in First Round of Horseshoe League

The team of Schlup and Joseph, by winning eighteen games and losing none, finished in first place in the first round



KEEPING FIT CONTEST

Standing of Major Departments August 15, 1925

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Meter Department	17.98	9.74	45.90
2. Fractional HP Motor	19.40	14.15	27.30
3. Contributing Departments	19.64	16.81	14.40
4. Transformer	12.02	11.50	5.98
5. Apparatus Department	5.44	5.31	2.39
6. Induction Motor	4.57	6.19	—35.50
7. Building and Maintenance	12.10	19.48	—61.00
8. Decatur	8.82	16.81	—90.50

of the horseshoe league. Blakely and Schelper, winning fifteen and losing three, finished in second place. The standing of the players at the end of the first round follows:

	W	L	Pct.
Schlup-Joseph	18	0	1.000
Blakely-W. Schelper	15	3	.834
Lenz-C. Schelper	13	5	.723
C. E. McAfee-Weidemeyer	13	5	.723
Stute-Anderson	12	6	.666
G. Waldschmidt-Weigman	11	7	.612
Heimlich-Gibson	11	7	.612
Huge-Billman	11	7	.612
Mutton-Smith	11	7	.612
Wedler-Walker	8	10	.444
Onstott-Daley	8	10	.444
Hamilton-Thomas	7	10	.412
Kessler-R. Mennewisch	7	11	.389
C. Rump-C. K. McAfee	7	11	.389
Clevenger-Doenges	6	12	.333
Hosler-A. Mennewisch	5	13	.278
Cunningham-Graham	4	14	.222
V. Rump-Archer	3	14	.167
Wagner-Merriam	1	17	.056

In the second round Blakely and Schelper have taken the lead winning twelve games and losing four. Schlup and Joseph have fallen down, winning eight games and losing six. Stute and Anderson have won eleven games and lost three. The second round will end the first week in September. A total of four rounds will be played to determine the champions.

New Tables Afford Chance for More to Play Pool and Billiards

There are now two pool tables and two billiard tables in the basement of the office building, No. 18, which are available for employees to play on during the noon hours. It is to be understood that these tables are for the use of those working in the factory as well as office men, and it is hoped that more of the former will want to play. Another billiard table is to be installed in the near future.

A billiard tournament will start during the first week in September, to consist of twenty games, the player getting the most billiards in the twenty games to be awarded a cue as a prize. All those wishing to enter the tournament are requested to send their names to John Wefel, Building 18-B.

Transformer and Induction Motor Departments Have Perfect Safety Record for July

THE six hundred employees of the Transformer and Induction Motor Departments came through July without a lost time accident. This is a remarkable record when one considers that some of the most hazardous operations in the plant are performed in these departments. In the Transformer Department we find the manufacture, test, and transportation of transformers of all types from the radio transformer, weighing only a pound, up to the large power transformer, weighing seven or eight tons, while in the Induction Motor Department, we find a different class of work, that is the machining, winding, testing and handling of induction motor and alternator stators and rotors. You can therefore see that these two departments have a multitude of hazards included in these different operations and they are to be commended for the splendid spirit they have shown by making July a no accident month.

The Meter Department is drawing away from the other departments in the Keeping Fit contest. Their standing on August 15 was 45.90 per cent. While the Fractional Horse Power Motor Department, their nearest competitor, had a percentage of 27.30.

July accident records show a total of nineteen lost time accidents or the most we have had during any month this year. However the number of days lost per accident shows a material reduction over the previous months, seven days per accident being the average time lost during July.

We endeavor to keep the subject of Safety before everyone in the plant through the medium of the WORKS NEWS, safety bulletins, safety pictures and safety meetings. It is therefore the duty of each and every employee to devote a little time and thought to the safety ideas that we try to put across and to put into action any of these ideas that might fit into your particular case.

Waste is a big item in an organization of this kind, many thousands of dollars being lost each year through material and

even finished products that are scrapped. Waste can be viewed from another angle and that is the waste of the human machine. Do you know that the General Electric Company paid out \$2,000,000 during the five-year period ending January 1, 1925, for compensation alone? This is a large sum of money but it is nothing compared to the suffering, time lost, and disablement, accompanying the accidents causing the payment of this sum of money. It therefore behooves us to help put across the accident prevention program that the Company has laid out.

National Safety Council Safety Picture Shown

A TWO-REEL safety picture entitled "Hindsight and Foresight" was shown to the plant foremen at 9 a. m. July 28 and to their assistants and leading operators at 4:30 the same day.

The picture depicted safety work in the foundry but the general thought was applicable to any industry. Its strong point was to convey the idea of the necessity of wearing goggles, and the ultimate result in case this wearing was neglected.

Short talks were given at the morning meeting by Messrs. Evans, Barnes and Hockett. E. L. Misegades, Safety Engineer, also gave accident reports covering the first seven months of the year.

Mr. Hockett talked at the evening meeting and the same accident statistics were presented by Mr. Misegades as was given at the morning meeting.

The picture was sent out by the National Safety Council at Chicago and negotiations are being made to have several more of like nature within the next year sent to this plant. It is hoped that more employees will have an opportunity to see them, as nothing conveys the real Safety message as does a good motion picture.

1925—As it is today! Erie Boulevard, a splendidly lighted and paved main thoroughfare in Schenectady



1919—As it used to be. An ugly, disused stretch of the Erie Canal



A ditch in 1919—a boulevard today



No other municipal improvement can pay for itself so quickly as do well lighted streets. Thanks to the progressive efficiency of the electric light and power companies, and of the illuminating engineers of the General Electric Company, the cost of electric light today is actually less than it was before the war. (See the little chart). Use more of it, indoors and out.

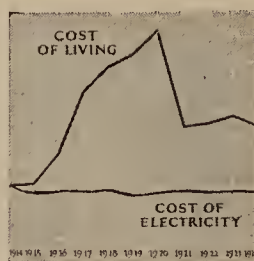
IT is hard to believe, but true. The ugly ditch shown in the picture marked "1919" and the broad, well lighted boulevard shown in the upper picture are one and the same. Do such improvements cost money—or do they actually save it?

The answer is most encouraging. Good street lighting reduces accidents and is a deterrent of crime. It attracts and

encourages trade and enhances the value of homes.

And yet, with all its benefits, and with the increase in property valuations which it brings, good street lighting costs as little as \$1.50 to \$2.50 per capita per annum.

What an impressive lesson is here for all forward looking towns! People and traffic and profits all follow the pathway of light!



GENERAL ELECTRIC

*This advertisement will appear in the Saturday Evening Post September 5
and in the Literary Digest September 19*



Vol. 9

October, 1925

No. 10

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



The Factory Blueprint

On the cover of this issue is featured the big continuous roll blueprint machine from whence come all the larger prints used in our shops. This machine and its operators are therefore a vital link in the scheme of production at our Works, for if prints of new and revised shop drawings were not promptly made and delivered to blueprint stations in the factory, work would soon be at a standstill in the shop.

No doubt everyone understands that the original drawings of machines are put on tracing cloth in order that the many copies required may be easily and quickly made. It is perhaps surprising to know that approximately 10,000 blueprints of machine drawings are made and delivered to the shop in the course of one week's time. So the Blueprint Department is a busy place indeed until the day's work is done.

The blueprint machine in this view will produce on an average 1,000 prints per day. Five operators are required to run this machine; one to feed into it the tracings to be printed and four to cut out the various blueprints at the delivery end of the machine. Still other attendants are required to sort the prints, mark and deliver them to the proper blueprint stations in the shop.

This big machine is what might be called a continuous process machine. The blueprint paper, from rolls 100 yards long, is threaded into the machine and moves slowly but steadily through, as the operators A. F. Gawehn or John R. Cullen place tracing after tracing on the sensitized paper as it enters the printing section of the machine. The intense light from a bank of six arc lights, shining on the sensitized paper, gives prints of the drawings as they appear on the tracing cloth. The tracings separate from the blueprint paper as soon as they have passed through the printing section of the machine. They drop back on a convenient shelf just above the feed table where the operator can easily get them for additional prints.

The blueprint paper bearing the undeveloped prints moves on through the machine, first receiving a spray bath of a chemical solution, which develops the prints and then a spray of pure water which washes out the soluble chemicals and so "fixes" the prints. The wet paper then moves upward and over some electric heating units which quickly dries the paper while it is held straight in the machine. It then issues from the delivery rolls onto a long table where the Misses Rena Davis, Helene Pitzen, Helen Kruse, Melba Jubinville and Cora Brunner with long scissors clip out the individual prints, neatly trim them and then place them in orderly piles. The girls who do the sorting then take the piles of prints and very much as mail clerks arrange for a distribution of mail, group the prints according to factory blueprint stations, and they are ready for delivery in the shop.

There are many chances for troublesome errors in handling this important work, but the employees of the department under W. M. Doan, headed by Miss Irma Lageman as chief record clerk, take considerable pride in handling the hundreds of prints every day, and making practically no preventable errors in the course of their work.

Navy's New Airplane Carrier "Lexington" to Be Launched Tomorrow

G-E Furnishes Complete Electrical Equipment

THE second of the United States Navy's new airplane carriers, the U. S. S. "Lexington," will be launched at noon, October 3rd, at the Fore River plant of the Bethlehem Shipbuilding Corporation in Quincy, Mass. As in the case of the U. S. S. "Saratoga," of which this boat will be a duplicate, the "Lexington" will be one of the largest ships ever launched on the western hemisphere and will excel the first line battleships of this country in propulsion power.

This will be the third United States airplane carrier. The only one now in service is the "Langley," named after the scientist noted for his practical investigation of aeronautics. That ship was rebuilt from the old collier, "Jupiter," the first vessel of the navy to be equipped with turbine electric drive.

The "Saratoga," launched this spring at Camden, N. J., is not yet in service. Originally, both the "Saratoga" and "Lexington" were to have been battle cruisers, but the modification of the American naval program, due to the decisions reached at

the conference on the limitation of armament, led to the conversion of these battle cruisers into airplane carriers.

As a naval vessels, the "Lexington" (with the exception of its twin, the "Saratoga") will be the longest in the world. Its length will be 874 feet, and its beam, 150 feet. The output of its electric generating equipment will be 180,000 horsepower—greater than the combined rated output of the six electrically driven capital ships now in commission; viz., the "New Mexico," "California," "Tennessee," "Maryland," "Colorado" and "West Virginia."

The complete electrical equipment for the "Lexington," as in the case of the "Saratoga," will be furnished by the General Electric Company. The propulsion apparatus will consist of four 35,200-kilowatt turbine generators, supplying current to eight 22,500-horsepower motors. The turbines will be operated by steam from sixteen oil-fired boilers.

The motors will be connected in pairs to each of the four propeller shafts. The

total energy thus delivered, to each shaft being 45,000 horsepower—sufficient to turn the propeller blades at a rate of 317 r. p. m. and to propel the ship at the rate of thirty-three knots, or approximately thirty-nine miles an hour.

In addition to the propulsion machinery, there will be provided six 750-kilowatt, direct current, auxiliary turbine generators which will furnish current for all electrical purposes except main propulsion. Among other uses to which this electricity will be put will be the operation of the steering gear, anchor windlass, ventilation fans and lighting systems.

As in the case of the "Langley" and "Saratoga," the "Lexington" will be completely and specially equipped for radio work. The antenna will run to the deck from a single topmast which will have to be lowered when the boat passes under the Brooklyn Bridge.

In accordance with its function, the "Lexington" will be equipped below decks with storage space for carrying large numbers of airplanes, together with elevators and cranes with which to hoist them, from below, to the flying deck for taking off.

In appearance, both of the new airplane carriers will be unique. Because of the minimum of deck apparatus, the boats will seem unusually low in the water. The immense sweep of the flying decks will be broken only by a combination funnel enclosure at one side of the hull.

Navy Day and Roosevelt's Birthday To Be Jointly Observed October 27

Electrical Industry Has Contributed Much to Naval Efficiency

ON October 27, 1775, a special committee presented to the Continental Congress a bill providing for the construction of the first ships of the United States Navy. In that year Congress authorized the building of one vessel of ten guns and another of fourteen guns to be equipped as national cruisers. These two ships marked the beginning of the United States Navy, and in view of the fact that October 27th of this year is the hundred and fiftieth anniversary of our Navy, President Coolidge has signified his approval that this date be observed as Naval Day. The national colors will be flown at all works of the General Electric Company.

It is doubtful if the history of any other martial organization contains the romance

and adventure that characterizes the history of our navy and its accomplishments on the high seas. In 1776, the United States Navy first distinguished itself by capturing the British naval station at Nassau, Bahamas, following the Declaration of Independence. After this creditable showing, Congress began the building up of the navy with increased vigor. Its history in the Revolution is familiar to every American, and all glory in the bravery of this early fleet and are proud of its many acts of heroism.

In 1794, the depredations of the Barbary pirates resulted in the building of the famed ships *Constitution*, *President*, *United States*, *Chesapeake*, *Constellation* and *Congress*. While many of these did not see service until the War of 1812, the

operations of the Navy in the Tripolitan War were highly creditable and greatly raised the esprit de corps and efficiency.

In 1809 the brilliant victories of the *Constellation* and the *United States* aroused popular enthusiasm to fever pitch and did much to further the good will of the people toward the navy.

Notwithstanding its disparity in force, the United States Navy achieved world-wide renown in the war with Great Britain. Perhaps one of the most interesting developments of that time was the building of a ship which was denied prominence by the discontinuance of hostilities with England. It is interesting to speculate what might have happened on the seas had the war of 1812 continued.

In 1813, Robert Fulton submitted to President Madison plans for a sea-going steam battery. His plans were accepted and the *Demologos* (voice of the people) was built. On July 4, 1815, she steamed 53 miles in eight hours and twenty minutes. Here, indeed, was a queen of the seas. Her sides were five feet thick and impenetrable to any guns carried by Brit-

ish ships, while her battery consisted of twenty guns, which were heavier than any then afloat. A furnace was fitted for heating shot and there were pumps for throwing hot or cold water on the enemy's deck. Had this vessel got to sea before the conclusion of hostilities and met the warships of the enemy, it is certain that she would have destroyed the heaviest squadrons with ease and caused a revolution in naval construction.

The years between the War of 1812 and the Civil War mark a comparatively quiet period for the navy. In 1854 the celebrated ships *Merrimac*, *Niagara* and *Wabash* were built. The outstanding mark of progress in the Civil War period was the development of armored ships.

The war with Spain caused increased attention to be given to naval affairs, for the people were beginning to appreciate the importance of a powerful navy. Progress and development from that day to this excel all previous accomplishments in naval armament over all time.

Twenty-five years ago, Dewey had a fleet of six ships in the battle of Manila. These six ships were the pride of the navy at that time. And yet one of America's modern, electric driven battleships could have disposed of Dewey's fleet as easily, if not more easily, than the Demologos could have destroyed an equal number of the ancient sail-driven cruisers in the War of 1812.

America is the first and only nation in the world to have an electric battle fleet. With the completion of the U. S. S. *West Virginia*, the United States has six powerful battleships, each electrically propelled and electrically equipped throughout. The electric drive had not been thought of when Dewey's fleet was built. The reciprocating engine was used. Soon after, the steam turbine was perfected and W. L. R. Emmet, consulting engineer for the General Electric Company and a former naval officer, took up the problem of applying the turbine to ships through the medium of electricity. Largely due to his courage, energy and vision, the first installation of electric drive on the collier "Jupiter" in 1913 was a complete success. As a result, every battleship and battle cruiser designed since that time, except the *Idaho* and *Mississippi*, has been equipped with electric drive.

The U. S. S. *West Virginia*, the last battleship built by the United States under the Washington Limitation of Arms agreement, is driven by four 8,000 horsepower G-E motors, among the largest ever built. Each is twelve feet in diameter and weighs sixty-two tons. The power plant supplying electric energy to the motors, consists of two General Electric Curtis steam turbine generators, each developing 12,600 kilowatts, which would supply light, heat and power to a city of over a half million population.

It is fitting that Navy Day is to be observed and associated with Roosevelt's birthday. He looked upon the navy as one of the most important possessions of the American people. He thought of it as a national insurance against the very causes

which have heretofore provoked war and he devoted much of his life to the advancement of a sound naval policy for the United States of America.

The navy may be thought of as the first line of our nation's defense and an important factor in the protection of our commerce and our foreign policies. It may be likened to an efficient state which trains thousands of men each year and returns them to civil life better able to serve themselves and the community.

Annual Meeting Quarter Century Club Held Here at Plant

Following Dinner in Building 16-2, Manager W. S. Goll Told of His Experiences in Europe.

Two New Members Joined Club

The local Quarter Century Club departed this year from their usual custom of having their annual meeting and picnic at a nearby lake, and instead held their annual meeting and banquet in Building 16-2, Wednesday evening, September 30.

The change in the usual plan was decided on after careful consideration of the lateness of the season and road construction work which made it impractical to reach some of the more favored spots for such an outing as the club usually enjoys once each summer. Following the elaborate dinner which our restaurant force had prepared, Mr. Goll related many of the interesting things he observed of industrial and living conditions in Germany, Italy, France, Belgium and England on his recent trip abroad. Several other members were scheduled to be called on for impromptu talks after the dinner and these were to be followed by the usual business session. Unhappily the date of going to press prevented our giving a report on the number in attendance. However, there is no doubt every one of the 102 members who could possibly be present were here for the good time that was assured. John E. Hall, Joseph Schwartzkopf and August Kayser were the committee which arranged the event.

During the month of September, two additional members of our Fort Wayne Works became eligible and their names were placed on the roll of the local Quarter Century Club. They are Joseph E. Gruber of the Piece Rate Department and George Schacher, a machinist of the Induction Motor Department, Building 19-1.

Mr. Gruber began work here September 5, 1900, in the Meter Department, working on meter parts. He remained in the Meter Department, working on meter parts, clock parts, meter assembling and inspection until 1910, when he was transferred to fractional HP motor work, where he remained until 1923. At such time he was assigned to the Rate Setting Department, wherein he has given special attention to rates on apparatus parts, insulations, wire and cable, etc. This experience has therefore brought him into intimate contact with employees of many



JOSEPH E. GRUBER

New Quarter Century Club Member

departments of our plant, and no doubt there are few local men who have a wider acquaintance with the men of the shop. Mr. Gruber says his favorite sport is baseball, but that it has been some time since he actively engaged in the sport. A cut of Mr. Gruber is given herewith.

Mr. Schacher began work here at our plant in the Meter Department under Foreman John J. Bauer, September 18, 1900. Although not a trained machinist when he came here, he improved every opportunity to familiarize himself with the various machines in the shop, and by so doing became a good machinist, at which trade he is now regularly employed. For the past three or four years he has been working in the Induction Motor Department under Foreman Hans Anderson in Building 19-1. Mr. Schacher has a brother, Edward, who is a pattern maker under Foreman G. Thiele, Building 12-2. He is married and lives at 703 Home avenue, near the corner of South Wayne. As Mr. Schacher was on a vacation at the time the WORKS NEWS went to press, we were unable to get his picture for publication in this issue.

G-E Radio Club Opens

Season October 13th

Election of Officers Will Feature First Meeting of the Year.

BEFORE the officers and members of the G-E Radio Club realized it last spring, the hot days and severe static were upon us and it was desirable to take a summer vacation so far as radio club meetings were concerned. Now with the start of cooler weather and the obviously shorter days, which in general mean better radio reception, the club plans to start activities for the season 1925-26.

An election of officers as unfinished business of the previous season, will be the first item for consideration by the club. This election will take place at the meeting on Tuesday evening, October 13th, at which time, too, dues will be due. Since the club is not otherwise financially endowed, the payment of individual membership dues

is an essential detail in the continued operation of the club.

Another essential element in the success of the club is that it shall have a fairly definite program for the activities it will undertake. Accordingly the first meeting should produce much discussion of plans for the year. Every active member of the club and everyone who has thought favorably of joining the club should make a special effort to be present at this initial fall meeting on October 13th. This meeting is called for 7:30 p. m., and will be held in Building 16-2. Come prepared to exercise your franchise in selecting officers for the club and with a loose dollar bill or your private check book, to replenish the treasury of the club. An expression of your ideas as to what the club should undertake in the season just ahead will be more than appreciated we are sure, by the new officers you will select. Attendance at this and following meetings is the best encouragement you can give the club's officers, to arrange meetings that are more than well worth while.

Reputation of Apprentice School Traveling Far and Wide

Thirty-Two Apprentices Enrolled During Past Month.

One Apprentice Graduated

Our Fort Wayne Works Apprentice School has grown unusually fast as to enrollment during the past few months and as a result, before the end of September the number of students greatly exceeded the enrollment figures of any previous period in the history of the school. In September alone there were thirty-two new students enrolled. Thirteen of these started in on the four year Machinist and Toolmaker course, five on the three year Electrical Tester course, and fourteen began work on the three year Draftsman course. These additions to the student body brought the enrollment up to one hundred and thirty, the highest record in the history of our Fort Wayne Works.

Karl Steinhauser finished his three years' work on the Electrical Tester course on September 19th, and he was the only graduate from the Apprentice School during the past month. Steinhauser is a native Fort Wayne boy, and took his common school training at the St. John's Lutheran School, following this by a course in the Fort Wayne High School, from which he graduated in 1922. On completing the Electrical Tester course, he received a \$75.00 bonus and the customary diploma. He has been assigned to work under Foreman Edward Steinau, in the Switchboard Department, Building 19-B.

The recent enrollments to our Apprentice School courses show that the reputation of our school is traveling far beyond the bounds of our city and county. Akron, Paulding, Upper Sandusky, and Payne, Ohio; Hillsdale, Michigan; and Winchester, Columbia City, New Castle, Hunt-



KARL STEINHAUSER
Recent Apprentice Graduate

ington, Roanoke, Hometown, Spencerville, Petroleum, Kimmel, Kendallville, Decatur, Geneva, and Lynn, Indiana, as well as Fort Wayne are all represented by students in the group which signed up for apprentice work during the past month.

The new Machinist and Toolmaker apprentices are: Ellis R. Bleke, Cornelius Bremer, Archie McCreary, Kenneth McCombs, Leo M. Beckman, Robert I. Renier, Reynold R. Getty, Chas. C. Taylor, Leonard Sheean, Charles M. Rice, Walter H. F. Hazelett, William F. Mann, and Wilbert G. Hevel.

The new Electrical Tester apprentices are: Ivan Y. Butler, Robert F. Wilson, Donald R. Thompson, John Curtis Schoch, and Armin F. Mittermaier.

The new Draftsmen apprentices are: Ervin S. Lister, Earl L. Byall, Harold C. Sherbondy, John G. Herrmann, Melbourne J. Johnson, Bret R. Young, Carl Mann, Orris H. Gezelman, Norris A. Hulett, John W. Wheeler, Paul Eugene Waugh, Arthur R. Anderson, Paul A. G. Berghorn and Paul Outland.

Stag Party, Banquet and Bowling On Apprentice Alumni Program

THE apprentice Alumni picnic planned for August was called off, due to the fact that too many of our members were on their vacations. At a meeting of the Entertainment Committee it was decided to have a marshmallow and wiener bake the last week in September. This will be a big affair to which all members and their families or sweethearts are invited. The committee in charge is exerting every effort to make this a success.

In the month of October will be a big stag party at one of the nearby lakes. This has become an annual affair it seems, and is looked forward to by many of our members with great enthusiasm, because we have had such good times at all our previous stag parties.

Our regular quarterly business meeting and banquet also comes in October, on Tuesday the 20th. Every member is hereby given formal notice to reserve this night for the meeting, because there will be plenty going on; in fact it promises to

be one of the liveliest meetings in the history of the association. A mock trial will be one of the features of this meeting. The men who are taking part in this trial have been rehearsing for several weeks in order to put it over big.

In November there will be our semi-annual bowling tournaments, singles, doubles and team events. The popularity of these tournaments is increasing with each time we have one. In the five-man team events, selection of teams will again be made by lot as in previous tournaments, as also will the doubles teams. We would suggest that every member get down to a bowling alley some time between now and November and practice a little so that he will be "rarin' to go" when the time comes. It is not necessary to be a good bowler to enter this tournament, so it is hoped that we will have a 100 per cent attendance. Let's go for the good of the Alumni Association.

Electro-Technic Club Opens Season With Banquet

Six Major Events on Program for This Year

All Men of Fort Wayne and Decatur Plants Are Eligible to Join.

THE Electro-Technic Club, the men's social organization of our Fort Wayne Works, will start their activities this year with a five-days' membership campaign. At the close of this campaign a banquet will be served for all members of the club. This will be prepared and served in our Works restaurant, Friday evening, October 23, quite soon after work; and following the banquet, Mr. Goll will give the men a general talk on his observation of the industrial conditions in Europe. As is well known to most of our readers, Mr. Goll had the unusual opportunity to study these conditions as executive in charge of the six G-E engineers who made a nine-weeks' inspection of electrical manufacturing plants and power generating stations in Germany, Italy, Belgium, France and England during the early part of the past summer. Mr. Goll's talk has previously been given to foremen and department heads of the plant, and this initial E. T. C. meeting will be an opportunity for the shop men to hear the many interesting things at first-hand.

The officers of the Electro-Technic Club --C. H. Baade, president; Edward Witte, vice-president; H. V. Atkins, secretary; H. A. Wilding, treasurer; and F. L. Schafenacker, member of the board of management—are hopeful this may be a banner year in the way of membership, attendance at meetings and general good times.

E. C. Foley, chairman of the entertainment committee, has announced the following schedule of events:

October 23—The banquet.

November—A dance.

January—Boxing entertainment.

February—Theatre party.

(Continued on Page 8)

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
E. L. Misegades _____ Safety
Flora Boerger _____ Girls' Department
Wade Reed _____ (G-E A. A.) Athletics
Robert White _____ Decatur Works

REPORTORIAL STAFF

H. A. Wilding _____ Electro-Technic Club
LaVera Vail _____ Elex Club
Carrol Blincoe _____ Apprentice Association
Fred Duryee _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
John L. Verweire _____ Band
J. E. Hall _____ Quarter Century Club
Edward Witte _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
E. L. Misegades _____ G-E Squares
Irene Fox _____ Absent Employees

Vol. 9 October, 1925 No. 10

Friends of the People

After the Battle of Waterloo, Napoleon fled to Paris and remained there a few hours. In the street below, the crowds cheered his name.

In amazement, Napoleon turned to those beside him: "Why do they cheer me?" he cried. "What have I done for them? I found them poor—I leave them poor."

Business does not "find the people poor and leave them poor."

General Electric finds the people in darkness and leaves them in light.

American Radiator finds them cold and leaves them warm.

International Harvester finds them bending their backs over sickle and hoe and leaves them riding triumphantly over their conquered fields.

Standard Oil and Henry Ford find them shackled to their front porches and make them masters of time and space, citizens of a larger world.

Business is a real friend of the people.

It is high time in these days of careless thinking and reckless action, that some one stand up and tell the people who are their real friends.

When Owen D. Young became chairman of the board of the General Electric Company, he said:

"Only one danger confronts us. The future electrical development of the United States is bound to be enormous. No one can prevent it, and all must profit by it. The danger is that the growth of our industry will outrun public understanding; that people will see and fear our size without understanding our service. We must make it clear to all that progress consists in lifting the burden of routine and drudgery from human shoulders to the tireless shoulders of the dynamo; that every loafing stream is loafing at the public's expense; that every added kilowatt

GENERAL ELECTRIC COMPANY

INTERNAL CORRESPONDENCE

**Subject: G. E. EMPLOYEES SECURITIES CORPORATION
INTEREST ACCUMULATION.**

Schenectady, September 1, 1925.

To EMPLOYEES HOLDING G. E. EMPLOYEES SECURITIES CORPORATION BONDS, WHO HAVE SIGNED AN "INTEREST ORDER":

In accordance with the rules of the Company, an employee is allowed to subscribe up to a maximum of \$500 of G. E. Employees Securities Corporation Bonds during a calendar year.

An employee, upon subscribing to the MAXIMUM, will receive, on the next succeeding interest date, a check for the balance standing to his credit in the interest accumulation account and whatever return may become due on his holdings during the year will likewise be paid to him by check even though he may have signed an "interest order".

If he subscribes for LESS THAN THE MAXIMUM, he may allow the return on his holdings to accumulate, but the balance in the interest accumulation account when added to his subscription for the year, shall not exceed \$500 and any excess in the interest accumulation account will be paid to him by check.

On December 1, 1925, checks will be mailed to those holders whose interest accumulation account balance added to the total subscription for the year is in excess of \$500.

GERARD SWOPE,
President.

means less work for some one, more freedom, a richer chance for life."

American business, as a whole, faces that danger today, the danger of outrunning public understanding.

The public must have the opportunity to understand the intricate workings of business and the goals to which business men look.

—Nation's Business.

NOTICE

Employees who are permitted to park their cars on the vacant lot south of Building No. 19, must refrain from running over the sidewalks. It is against the City Ordinance and is liable to injure the sidewalk to the extent that it may have to be replaced. Employees are therefore asked to use the regular alleys and exits which are in good order.

E. A. BARNES,
General Supt.

GROUP LIFE INSURANCE

Deaths Reported for August, 1925.

Employee	Died	Beneficiary
<i>Schenectady</i>		
John J. Croghan	July 26	Wife
Frieda C. Kroellner	Aug. 3	Mother
Helen F. Dominick	Aug. 12	Dept. Grandmother
Francis H. Way	Aug. 15	Mother
David J. Wilber	Aug. 17	Daughter
<i>River Works</i>		
Zenas W. Middlemass	July 24	Wife
Frank S. Sargent	Aug. 5	Wife
John Buchanan	Aug. 9	Wife
Wm. H. Outtrim	Aug. 17	Wife
<i>Pittsfield</i>		
Burt M. Hornbeck	July 25	Wife
Rose Pollino	Aug. 14	Husband
Wm. Colledge	Aug. 18	Wife
<i>Fort Wayne</i>		
Frank Fisher	June 23	None
<i>Erie</i>		
Weston Wilkins	July 24	Wife
George Lopus	Aug. 2	Wife
Wm. L. Oestreich	Aug. 3	Wife
<i>Philadelphia</i>		
John Hamilton	Aug. 4	Mother
<i>Bridgeport</i>		
James E. Blagriff	July 24	None
<i>Boston</i>		
Wendell L. Kenney	June 15	Brother
Total, 19 Deaths		\$19,300.00

Move to Acquaint France With American Labor-Saving Household Appliances

A REAL American home of ten rooms and four baths, fully equipped with colonial furniture and with every modern electrical labor-saving household appliance, is to be a feature of the American exhibit at the International Exhibition of Household Appliances and Labor-Saving Devices opening at the Grand Palais in Paris on November 15th.

This house, typical of the average American home, is now being erected in Brooklyn and when completed will be open to public inspection before it is shipped across the Atlantic.

Although the builders of the house will have in mind the fact that it is to be dismantled after a month, crated in sections and shipped to France, re-erected in the Grand Palais on the Champs Elysees, then taken down a second time and reconstructed finally on a site to be chosen by the French citizen to whom it will be awarded, the house will be complete in every respect—with running hot and cold water, gas and electric service—when it is opened to the public in Brooklyn. During the exhibition in Paris a contest will be conducted to determine who in France has made the greatest contribution to humanity in recent years and the house will be awarded to the winner of this contest.

The exterior of the house has the simplicity of a modest early American home. It will be a two-story shingle house with four dormer windows. The ground floor plan provides for a living room, a large hall, study, dining room, kitchen, laundry, one bedroom and a bath; the second floor plan calls for two bedrooms, a nursery, a servant's room and three baths.

The kitchen and laundry of the house undoubtedly will cause the French housewife to marvel, and will make even the American household engineer envious for both will be equipped with the very latest and best available labor-saving and comfort providing devices. An American home will introduce in France the little electric servants common to the American home, but practically unknown in France, such as electric washing and ironing machines, toasters, grill, waffle iron, percolator, curling iron, vacuum cleaner, dish washer, fireless cooker and refrigerator. The General Electric wiring system will be installed and while the house is on exhibition in Brooklyn it will be equipped with G-E fans.

The facts that France now has a servant problem even more acute than that of the United States and is looking toward the introduction of American labor-saving household appliances for the solution of this problem is revealed in a statement by Albert Broisat, general commissioner for the American section of the exhibition, who has been assigned by the French National Office of Industrial Research and Inventions to spend six months in the United States co-operating with manufacturers and trade associations to insure the

most representative showing of American household appliances and labor-saving devices.

"Even the most ordinary American household appliances and labor-saving devices are entirely new to the French housewife," declared Mr. Broisat. "This is true in the case of the wealthy as well as the poor. Few people in the United States realize how far ahead not only of France but of all Europe you are in the development of household appliances and labor-saving devices for office, home and factory."

The house is being built and equipped as a co-operative enterprise by more than a score of nationally known American building materials and equipment manufacturers and trade associations.

President Gerard Swope Pays Tribute to Late E. R. Stettinius, Member Board of Directors

IN referring to the death of Edward R. Stettinius, a member of the Board of Directors of both the General Electric Company and the International General Electric Company, President Gerard Swope paid the following tribute to the services rendered by Mr. Stettinius to the country and to industry:

"Edward R. Stettinius since January, 1919, a member of the Board of Directors of the International General Electric Company, and since September, 1921, a member of the Board of Directors of the General Electric Company, died early Thursday morning, September 3rd, at his home on Long Island.

"Mr. Stettinius was born in St. Louis, February 15, 1865. He was educated in St. Louis and started work there. He later became interested in the manufacture of steam boilers for power houses, in a company which later was consolidated with the Babcock and Wilcox Company, of which he then became vice-president and remained a member of the board of directors until his death. He later became president of the Diamond Match Company and served in this capacity until he organized, on the behalf of J. P. Morgan, the purchasing of supplies for the allies in 1915, and spent, in the time before the United States entered the war, \$3,000,000,000 for munitions. He did this work so admirably that he was invited to become a partner of J. P. Morgan and Company, January, 1916.

"As Purchasing Agent for the Allies he had a most complicated problem to deal with, involving the question of labor, building factories and providing adequate facilities and an efficient staff on short notice. When America entered the war President Wilson invited Mr. Stettinius to become Surveyor General of War Supplies for the War Department, and later Second Assistant Secretary of War.

"In July, 1918, he went to France as a

General Electric Company Sells Elkon Works

A recent organization announcement, issued by C. E. Patterson, vice-president of the General Electric Company, reads as follows:

Schenectady, September 1, 1925.

The Elkon Works of the General Electric Company has been sold to P. R. Mallory & Company, Inc., and will be operated by the latter as the "Elkon Works, Inc."

It has no further relationship to the General Electric Company other than that of a possible customer for certain supplies, and any shipments to Elkon Works, Inc., should be billed in accordance with our usual prices and terms.

Elkon Works is not to receive copies of lists, instructions, organization announcements, or other literature issued by the Company.

member of the Munitions Council, which centralized the control of all Allied economic forces.

"His services have been signally recognized by foreign governments as well as our own.

"After the war he returned to this country and in January, 1919, when the International General Electric Company was organized, I asked Mr. Stettinius to serve as a member of the Board of Directors. He did not desire to do this, as he had so many other duties, but on account of his association with the development of large industries, both in this country and abroad, and also because of his interest and intimate knowledge of economic conditions outside of this country, I knew he could be of great assistance in the formation and organization of the International General Electric Company, and I urged him to go on the board. It was an evidence of his generous spirit that he said, 'All right, I will come on the board and help you.' In this way Mr. Stettinius became acquainted with Mr. Coffin, and others sitting on the Board of Directors, of the International General Electric Company, who learned to appreciate the value of his vision and counsel. In the fall of 1921 Mr. Coffin asked Mr. Stettinius to go on the board of the General Electric Company.

"To both of these companies he has always given his services when called upon, and his untiring zeal and clear vision were of the greatest assistance both to the International General Electric Company and the General Electric Company. He was tireless in his efforts to be of service, and indeed his early and untimely death is a result of his generous giving of himself for the cause of the country in the war and the cause of the industries and his associates in peace. His kindness, his rugged honesty and sterling qualities endeared him to his associates, and he will be sorely missed by all those who were privileged to know him."

Electro-Technic Club Opens Season

(Continued from Page 5)

March—Mock trial.

May—The election of officers for the ensuing year.

The E. T. C. has a reputation of giving in the way of entertainment an unusual amount for the dollar it costs to be a members for a year. All the events on the program are free to members, and the dance and theatre party are regular events in which each member is privileged to bring his lady friend. The club membership of 700 of last year will no doubt be greatly increased before the close of this year's membership drive. Any male employee of the Company, however, may join at any time during the year, and at any time before the last events are given will be assured of some mighty good times.

G-E Squares Initiate Fourteen and Plan Winter Activities

Stag Party Held at Sylvan Lake

INITIATION of new members and laying of plans for winter activities was the order of events at the regular monthly meeting of the G-E Squares held Tuesday evening, September 1, in 16-2.

The new men taken into the organization, fourteen in number, are D. O. Ferguson, J. S. Stevenson, M. L. Seckel, E. F. Kaemper, J. L. Townsend, S. C. Starr, R. E. King, F. A. Arnold, M. N. Brayer, E. R. Woodworth, L. J. Dockal, C. F. Voss, O. R. Griffith, and T. F. Volkmer.

Extensive plans were laid for the winter activities of the organization following the initiation ceremonies. Plans for a stag lake party were discussed and it was decided to hold this party at Sylvan Lake, September 19th and 20th. A committee on arrangements for this trip, composed of Joe Eitman, Helge Hoglund, and Ted Volkmer, was appointed by E. J. Thomas, president.

Preliminary arrangements for the annual banquet which is to be held October 6th were made. Also plans for a wiener roast and Hallowe'en dance were made.

H. R. Cass was placed in charge of arrangements for a basketball team, and E. W. Doerr, our versatile point-getter, was elected captain of the team.

P. A. Vance, the harmony king, issued a call for two warblers to fill the place in the Squares quartet made vacant by the resignation of Adams and Stinson.

The usual eats and smokes were enjoyed as a closing number to the evening's entertainment.

The G-E Squares ended their summer social activities with a stag party at Sylvan Lake, September 19th and 20th.

The party left the plant in cars owned by the various members at 2:30 Saturday afternoon. One casualty marred the outgoing trip. Townsend endeavored to relieve the steam pressure on his Ford "Steamer" by unscrewing the radiator cap

and was slightly burned by the hot water.

Supper was the next in order of events, after which the gang engaged in several hotly contested card games.

Some of the more energetic members took to the water in boats and canoes for an exploring expedition. One of the canoes failed to come back until morning, at which time it was disclosed that it was stranded about three miles from headquarters on a small island, for want of strength to propel it back to the cottage.

A special meeting was called Sunday morning by President Thomas for the purpose of initiating Hemphill and Wimmer, two new men, that arrived too late for the last meeting. The rest of the day was spent in boating, swimming, playing football and sleeping.

A general housecleaning ended the activities and the gang left for Fort Wayne at 8:30 p. m.

The Squares are indebted to Joe Eitman and Everett Thomas for the manner in which the party was handled.

The next big event on the Squares' program will be the annual banquet and semi-annual election of officers, on Tuesday evening, October 6th, at which time Mr. P. C. Morganthaler, Managing Engineer of the Meter and Fractional Horsepower Motor Departments, will give the main address.

Helge Hoglund reports a delightful 1,500-mile motor trip through the wilds of Northern Michigan the week of September 6th.

Hoyt Cass and Erwin Thompson left September 12th for a two weeks' trip through Iowa and Minnesota via Cass' gas propelled velocipede.

G. E. Wimmer, M. E. '24, Iowa State College, is a new employee in the Building and Maintenance Department.

Joe Shelly has been transferred from the Apparatus Cost Department, Building 17-4, to the Superintendent's Department, Building 18-1.

Clarence Lydick, of the Transformer Engineering Department, left September 26th for a two weeks' visit with his parents in Winfield, Kansas.

L. F. Hemphill, E. E. '25, California University, arrived August 31st, from Paso Robles, California, to take up the Student Course.

R. E. King, E. E. '25, Purdue University, is doing engineering work in the Ice Machine Department.

Harvey Rath's vacation from his duties in the Transformer Engineering Department the first two weeks in September, was spent at his home on Creighton Avenue, catching up on a few neglected duties about the house.

A. A. Ralston, of the Refrigerating Department, visited relatives and friends in Rockford, Illinois, the week of August 31st.

Electric Control Systems Headquarters Centralized

Automatic Telephones, Call Bell, Time Clock, Fire Alarm and Patrol Supervisory Systems Serviced by H. D. Murphy and Assistants.

THE headquarters for automatic telephones, call bell system, fire alarm system, time clock system and the patrolmen supervisory system, now are all centralized in the new quarters arranged for them in Building 20-2. This arrangement makes it particularly convenient for H. D. Murphy and his assistants who keep all of these systems in perfect operating condition.

In the main control room, a large airy, newly decorated room in the south end of Building 20 are assembled the panels of the automatic telephones, the call bells and time clock panels, the fire alarm panels, panels of the patrol supervisory system and a large five-panel board controlling the power supply for all the various control systems. In this room also is a special trouble clerk's desk so that the station attendant can be notified by telephone (call 621 or 622) of any trouble that may be experienced on any of these systems.

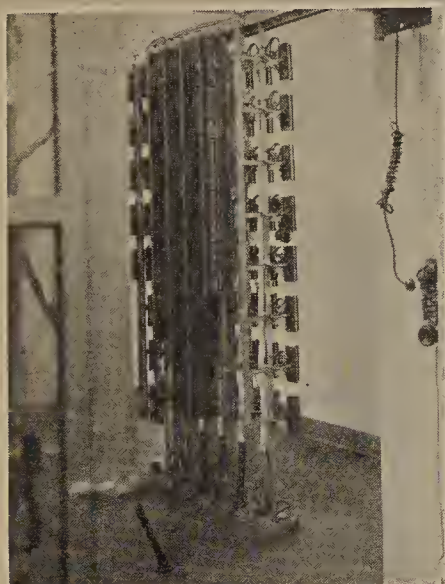
In an adjoining room is the large storage battery which furnishes the power for all these electrical systems and just across a hall is the small telephone switchboard, where our day operators, Miss Lichtsinn and Miss Ridenauer, receive and route all incoming calls, arrange all long distance connections for our local people as well as place all calls on the call bell system.

In the patrolmen's headquarters at the gatehouse near the main gate, is another telephone switchboard which is put in service after working hours so the attendant may receive and route all incoming calls during this time. Also in connection with this board there is an indicating board whereby the progress of the watchmen on their rounds of the plant can be observed and passing up of any call in station at once indicated. Should anything happen to one of the watchmen while on his rounds, it soon will be known at headquarters because of his failing to signal in at the appointed time. In such instance, of course, someone else will be sent at once to investigate.

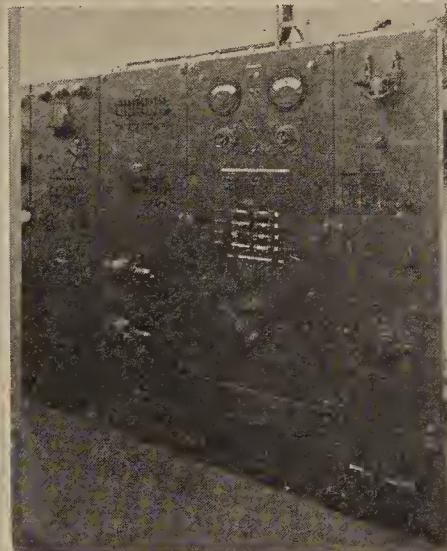
Probably no industrial plant in our city has a more complete or more up-to-date system of electrical control than we now have in our plant. All of these systems have been extended and revised until our equipment in this line could scarcely be improved upon. Quite naturally the present equipment is a matter of considerable pride to H. D. Murphy and his men who have installed it and are personally responsible for keeping it in the best of operating condition.

The 9,000 HP General Electric synchronous motor, to be installed by the McKinney Steel Company at its River Furnace plant at Cleveland, will have the highest continued HP rating of any industrial motor in the world.

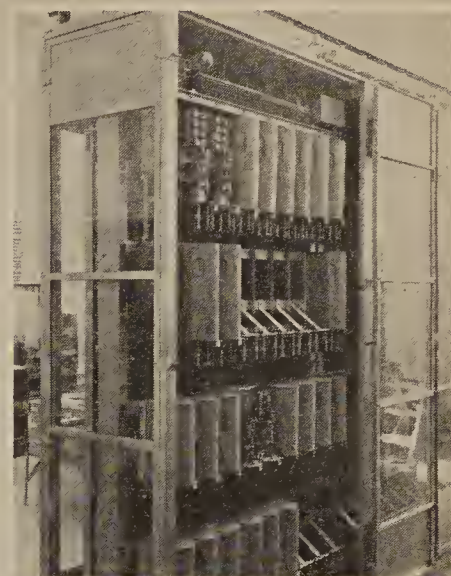
Views of New Equipment of Electric Control Systems



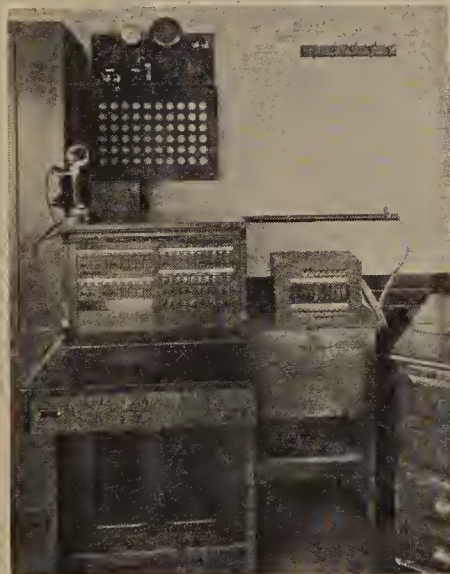
Telephone Protective and Cross Connection Frame



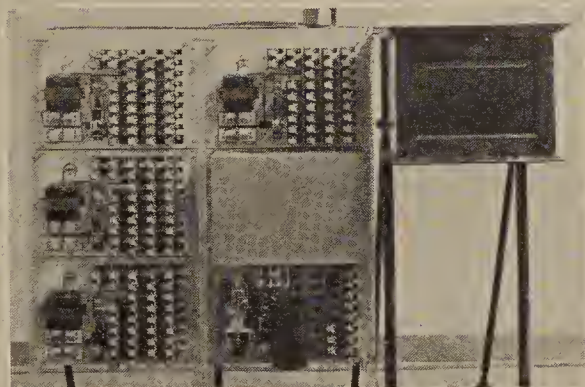
Power Board



Section of Telephone and Selector Switches



Auxiliary Telephone Switchboard and Patrol Supervisory Board



Auxiliary Equipment of Call Bell and Patrol Register



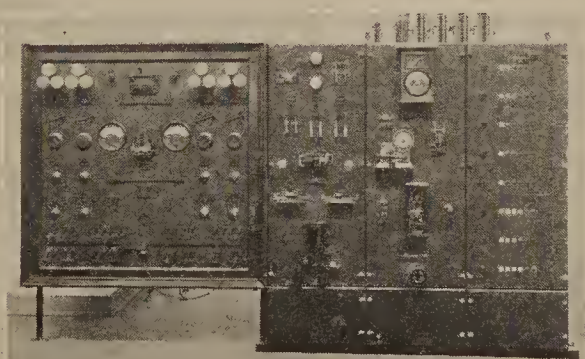
Manual Telephone Switchboard for Outside Traffic, etc.



Automatic Telephone Switchboard



Storage Batteries, the Power Supply



Fire Alarm Board



Time Clock and Program Panels

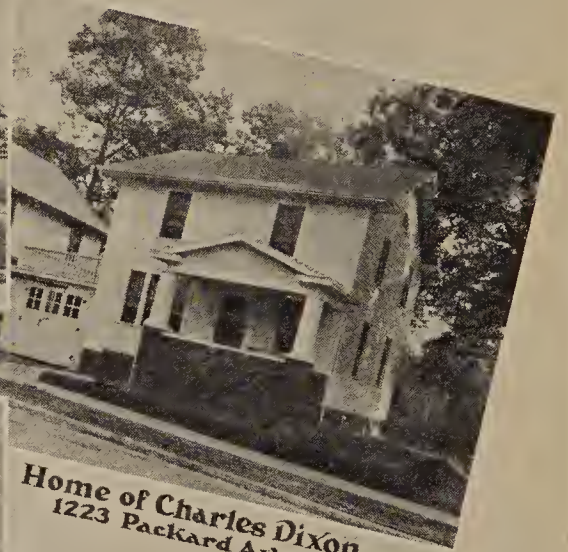
Employees' Homes built under G-E Finance Plan



Home of A. J. Rose
Marquette Drive



Home of Geo. Harkenrider
Cor. Hanna & Hamilton Sts.



Home of Charles Dixon
1223 Packard Ave.



Home of Lisle D. Hodell
4312 Pembroke Lane



Home of Harold Koehlinger
4217 South Fairfield Ave.



Home of E. L. Locker
4514 South Lafayette St.



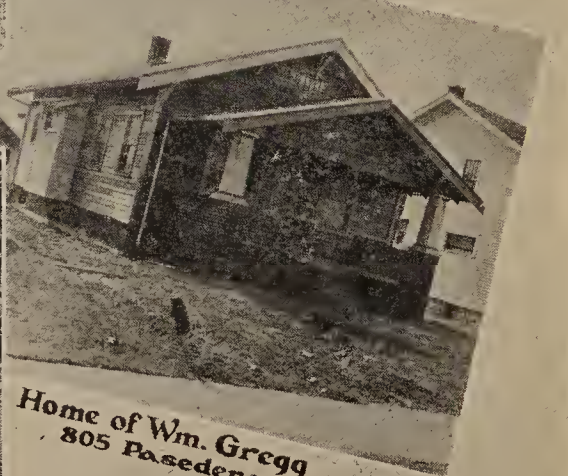
Home of Harry R. Haberkorn
2321 Cortland



Home of Paul J. Johnson
604 Branning Ave.



Home of Ralph McVey
1116 Wildwood Avenue



Home of Wm. Gregg
805 Pasadena

Employees' Homes built under G-E Finance Plan



Home of Everett E. Baughman
1344 Scott Avenue



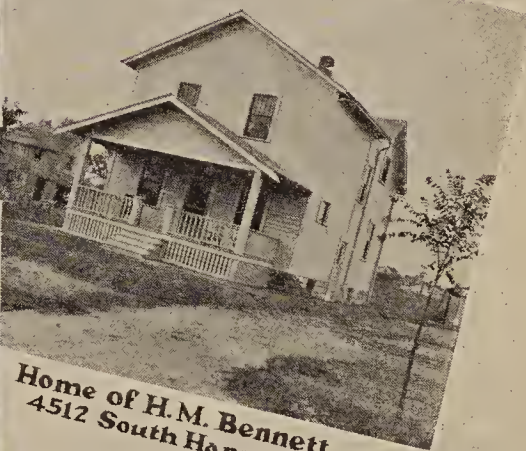
Home of A. L. Givens
4018 South Wayne Ave.



Home of Thomas McEvans
Cor. Le Roy & Buena Vista Drive



Home of Charles Buchanan
4712 LaFayette St.



Home of H. M. Bennett
4512 South Hanna St.



Home of Leroy H. Haifley
826 Belle Ave.



Home of Hugh M. Stephenson
1002 Northwood Blvd.



Home of Edwin E. C. Reese
1001 Federal Ave.



Home of Herbert Wiegman
4110 South Wayne Ave.



Home of V. R. Castle
Cor. Maxine & Arlington Ave.

Secretary Hoover Visits Schenectady

HERBERT HOOVER, Secretary of Commerce and in charge of all broadcasting in the United States, accompanied by his two sons, visited Schenectady on August 29th and 30th, as the guest of the General Electric Company.

While his visit was quite informal, he spent considerable time on Saturday evening at WGY and at the new high power developmental station at South Schenectady, on which he had recently authorized a series of tests. He also found time to look at some of the new developments in the Research Laboratory and in the radio manufacturing department of Schenectady Works.

Secretary Hoover expressed amazement and gratification at the magnitude and the broad scope of the work being carried on by the General Electric Company in research and development. He was particularly impressed with the high power developmental radio station, and he said, "It is wonderful to think that a private corporation has undertaken such extensive investigations. They will be of inestimable value to the progress of radio and to the Department of Commerce in dealing with the new art, especially as Government funds are not now available for such scientific work. I had no idea the super-power station was so big and complete as I found it. I cannot say too much in praise of the Company in carrying on this valuable work."

New Managers for Incandescent Lamp Business Appointed

Gerard Swope, president of the General Electric Company, has announced the appointment of T. W. Frech, of Cleveland, Ohio, and W. R. Burrows, of Harrison, N. J., as associate managers of the incandescent lamp business of the Company, effective September 1st. They will relieve Messrs. G. F. Morrison, F. S. Terry, and B. G. Tremaine from the burdensome part of the responsibilities which have developed upon them as managers of the incandescent lamp business of the Company for many years. For some time Mr. Morrison has not been in good health, and recently his physicians have advised that he obtain relief from a part of his business responsibilities.

George F. Morrison is a vice-president and director of the Company; F. S. Terry is a vice-president, and B. G. Tremaine is a director. They will continue to be connected with the Company in these capacities.

G. C. Osborne has been appointed sales manager of the Edison Lamp Division, a position formerly held by A. D. Page. Mr. Page will continue as a member of the advisory lamp committee, which now consists of Gerard Swope, G. F. Morrison, F. S. Terry, B. G. Tremaine and A. D. Page.

Has Faith in Harmony Between Science and Religion

Owen D. Young Expresses Such Sentiments at Dedication of College Buildings.

AUGUST 31st," says the *St. Lawrence Plaindealer* of Canton, N. Y., "marked a red letter day in the history of St. Lawrence University, Canton, and the North Country, for at 3:00 o'clock in the afternoon the cornerstones of the Gunnison Memorial Chapel and the Hepburn Chemical Laboratory were laid with impressive exercises." The chapel is named after the late Rev. Dr. Almon Gunnison, one of the most prominent figures in the history of the university, and its president from 1899 to 1914. The Hepburn Hall of Chemistry is named after its donor, the late A. Barton Hepburn, a graduate of St. Lawrence who attained national and international fame in the world of finance.

The ceremonies were opened by Owen D. Young, Chairman of the Board of Directors of our Company, who is a graduate of St. Lawrence and Chairman of its Board of Trustees. Mr. Young said:

"We are here to see that the foundations of two new buildings for this college are well and truly laid. These buildings will house the activities of our hearts and minds. Both are made of the same material, but each is fashioned by its builder to serve its separate purpose. The one is a laboratory of science, the other is a temple of religion. Here they will stand side by side through coming years, not in conflict but in helpfulness and inspiration to each other. At St. Lawrence we are not afraid that the activities of our brains will destroy the fundamentals of our religion. However great the progress of science, however thrilling the researches of chemistry may be, they will not on this hill undermine our faith. So we welcome both structures and the things for which they stand. We congratulate those who made them possible. We thank them, too."

Judge C. W. Appleton, of the Law Department of our Company, New York, who is also a graduate of St. Lawrence and a member of its Board of Trustees, spoke on the life and work of Dr. Gunnison.

Horizontally Polarized Radio Waves

BY E. F. W. ALEXANDERSON,
Consulting Engineer,
General Electric Company

Short wave research work by the General Electric Company has revealed unexpected phenomena and new laws of wave propagation which are likely to have an important bearing on radio developments of the future. It may be coincidence that simultaneously with the work which has led us to these discoveries by practical experimentation, theoretical work has been done, notably by Sir Joseph Larmor in England, and by H. W. Nichols of the Western

Electric Company, which gives a promising explanation for the phenomena observed.

Our tests have shown that a new form of wave propagation by horizontally polarized waves may be used to great advantage in radio communication. In optics it has always been recognized that wave motion in the ether may have two planes of polarization but in radio we have always been working with vertically polarized waves and our transmission formulas take no account of the possibility of horizontally polarized radiation. The reason why horizontally polarized waves have been neglected in the past, is probably the fact that the receiving instruments used at present give no indication of such waves close to the earth, and measurements in the neighborhood of such a station give no evidence of any radiation whatever. At distant points the signals are, however, fully as strong as the signals produced by the ordinary waves. The waves do not follow the surface of the earth like the long waves, but are launched into space like a high angle gun fire and travel in a curved trajectory through the upper atmosphere. When the wave returns to earth, it is vertically polarized and can therefore be received by ordinary means.

Our experience with horizontally polarized waves has so far been confined to short waves, but antenna systems are being erected for making similar tests at long waves. We are not yet able to foresee quite what relation the discovery of horizontally polarized waves will have to the problem of reduction of static, but it is probable that it will open up new possibilities for further progress. We may find that fading phenomena are directly due to the change in the plane of polarization. We may find ways of receiving the component of the wave which has not changed into the vertical plane, and we may thus find the static less disturbing.

Although most of us believe in the future possibilities of short wave developments, nevertheless I wish to emphasize at the present time no effective substitute exists for the high power long wave transmitters, such as installed in the transoceanic stations of the Radio Corporation where commercial long distance service is required twenty-four hours of the day.

Perhaps the best confirmation of this belief is the fact that where the leading radio companies of the world are engaged in erecting commercial long distance radio stations in competition with the cables, they still build long wave stations. As an instance, it might be well to mention that the Radio Corporation of America is now engaged in a project of erecting long wave stations in China for communication with the United States and Europe at a cost in excess of \$5,000,000. Further evidence of this fact is shown in the project just recently undertaken in South America, where the French, British, German and American companies have combined in a plan to erect long wave stations in Brazil costing several millions of dollars.

Decatur Works Section

Miss Olive Walters Appointed Nurse and Personnel Worker

THE management at Fort Wayne for some time has had under consideration the placing at the Decatur Works dispensary, of a combination trained nurse and personnel worker. Modern experience in industry indicates that a young woman of pleasing and sympathetic disposition can be very valuable in helping new employees to fit into an organization, to listen to their complaints, both imaginary and real, and by general supervision of not only the dispensary, but cleanliness and hygiene of the establishment in general, bring about more desirable conditions. The increased production demanded from our Decatur Works has hastened the management's decision, and Miss Olive Walters, formerly a nurse in the Adams County Hospital, has been appointed to such position at the Decatur Plant.

Miss Walters received her nurse's training at the Van Wert Hospital, Van Wert, Ohio. She then spent two years nursing there and four years in private nursing, before coming to the Adams County Hospital. She served two years at our Adams County Hospital, before taking the position here at the G-E, therefore, it is obvious that she comes to us well equipped and experienced in the field of her work.

Weddings

Chalmer Steele, of the Automatic Department, and Miss Margaret McCormick, of Van Buren, Indiana, were quietly married at the Decatur Presbyterian Parsonage Saturday, September 7, Rev. B. N. Covert officiating. Best wishes, Chalmer!



VACATION SNAPSHOTS OF DECATUR EMPLOYEES

VERENA MILLER

ESTHER McINTOSH

OSCAR TEEPLE

BILLY HENDRICKS

Note:—Incidentally Miss McIntosh was voted the most popular girl in Adams County and awarded a diamond ring, during the recent Elks' Fun Festival.

Good Prospects for G-E Basketball Team

From all pre-season appearances and the dope both old and new, the coming basketball season is going to be a pennant winner for the Decatur G-E. The old team of last year remains nearly intact and there is a wealth of new material to pick from to bolster up the few weak places. But, says, why leave it all to the team? Why not get behind them and root and boost instead of sitting back and maintaining an indifferent air as in former years. We have the material for a team ranking with the best. What they need is your support. Let's start early, keep going and land at the top.

Electrical Maintenance Em- ployees Held Picnic in August

The members of the Electrical Maintenance Department at Decatur Plant gave an unique picnic the latter part of August in the Fred Stauffer grove, eight miles south of the city. The picnic was unique in that the chickens for the dinner were cooked and served camp style—the ice cream also was made right on the grounds. After the supper an elaborate program of games was carried out and everybody certainly had a good time. Those present at the event were: Mr. and Mrs. Fred Stauffer, Misses Bartha, Nora and Frieda Stauffer, Messrs. Fred, James and Amos Stauffer, Mr. and Mrs. Cra Lobsiger and daughter, Mr. and Mrs. Fred Hammond, Mr. and Mrs. Merlin Ross, Mr. and Mrs. Cal Wait, Menno Springer, Misses Revia and Ruth Hammond, Geraldine Wait, Gladys Smithly, Edna, Edward and Donald Wait and Robert Hammond.

Changes in Factory Personnel

George Andrews, of Fort Wayne Works, was recently placed in charge of the Pay-roll Department, Decatur Works. Recent additions to the factory personnel here are Francis Marbaugh, Eli Andrews, Aivena Lindemann, Adrian Coffee, Elmer Brown, Fred Sheets, Raymond Johnson, Roscoe Crider, Chester Baughman, Frank Thornton, Raymond McDougal, Robert Gass, Richard Myers, Bertha Heath, Dulcie Ketchum, Helen Whitright, Andrew Appleman, Lohnas McClure, Marie Wilson, Margaret Meyers, Robert Sautbine, Ellanor Ellis, Pat Miller, Glen Ray, Edward Heshner, Lewis Werling, Alice Green, Madge Davis, Thurman Drew, Elbert Au-



OUTING OF DECATUR TOOL ROOM EMPLOYEES AT BEAR LAKE

Black row—Bob Gage, Kenneth Eady, Clyde Beery, Dwight Kimble, and Earl Blackburn.

Front row—Bert Gage, Carl Schafer, Tillman Gehrig, Francis Howell, and Ralph Stanley.

rand, Lewis King, Paul Castle, Glen Schackley, Arthur Miller, Russell Merri-man, Walter Bockman, Clarence Dellinger, William Grove, John Martin, Hope Byerly, Midge Davis, Nelle Sheets, Olive Eiberling, Russell Myers, Walter Lister. The Decatur Works gladly welcomes all of these new employees.

Band Reorganizes And Starts Practice

Tuesday evening, September 14, the former bandmen of the Decatur Plant were called together to reorganize the old band. The first practice of the season was held Tuesday, September 22, and the boys turned out in full force. Just keep tooting away, boys, for we will surely need you during the basketball season.

Vacations

C. C. Langston spent two weeks' vacation, September 14-28, recuperating from an infected tooth.

L. V. Baker is back on the job after two weeks' vacation, September 14-28.

Bernita Tanvas is away on a three weeks' vacation visiting relatives in Winfield, Kansas.

Esther McIntosh has returned from a week's vacation spent visiting relatives in Toledo, Ohio.

The world's largest artificial lake with an impounding capacity of 530,000,000,000 gallons of water, three times the combined capacity of the Ashokan and Keksico reservoirs which supply the city of New York with all its water, is being built on the Kallatoosa River in the remote sections of Alabama. It will be known as the Cherokee Lake. the damn will have a shore line of more than 700 miles and will cover forty thousand acres of farm and forest land. The new lake will serve a two-fold purpose, the generation of electricity for the industrial progress of the state and will make a vast section of the country around this body of water frost-proof and as advantageous to fruit growers as the lake region in New York state. The development is being undertaken by the Alabama Power Company and it is expected to be completed by 1926. Three huge electric generators, each driven by a 45,000 H.P. water wheel turbine will be furnished by the General Electric Company.

Cleveland, Ohio, is the first city to adopt lighting units equipped with 25,000 lumens (2,500 candle power) Mazda incandescent lamps. The largest lamp previously used in street lighting installation is of 15,000 lumens.

After thirty centuries, the method of producing gold leaf by beating small crumbs of gold with mallets for weeks at a time has given place to an efficient electro-chemical process. The time and labor necessary are enormously reduced.

Girls Department



Elex Club Holds Annual Fall Banquet

New Officers Elected and Y. W. Industrial Secretaries Introduced.

Mrs. Walter Kent, Chairman Industrial Dept., Announces New Plan of Meetings.

THE Elex Club banquet held in Building 16-2 on September 16th, was a huge success—huge because over one hundred and fifty girls were present, and a success because they made the hall resound again and again with the peppy songs and yells which show the spirit of our Elex Club, and also because of a number of other reasons, some of which follow:

After a delicious supper, Lois Miller, president and chairman, took charge of the program in a very self-possessed and capable manner—in other words, she did a mighty good job as toastmaster—and introduced the guests and speakers of the evening. It is no wonder that the club has had a very successful year with such a president at its head.

Mrs. Lipkey and Miss Jones spoke first, and they both expressed the belief that we were very fortunate in securing the services of two such very charming women as Miss Patty Ellis and Miss Edith Garrett for our Industrial Department at the "Y." They said they were sure that the Elex Club would have the biggest year of its existence, and of course we heartily concur with this opinion since we hope that our club will always move forward, never back.

As soon as Miss Ellis and Miss Garrett had spoken a very few words, we knew that Mrs. Kent had done us a favor in getting them to come to Fort Wayne, for we loved them from the start. Miss Ellis told us some very interesting news about her first contact with our club. She said that the first industrial girl she met was an Elex girl; that the first girl to seek her out of her own accord was an Elex girl; and that this same girl, later, was the first to bring in a number of her friends for a chat—another reminder of Elex. So you see, girls, that we have already made a good impression on Miss Ellis, and this, coupled with the fine spirit displayed at the banquet, will surely lay the foundation for many pleasant relations with our new secretaries. We hope that you will all prove loyal Elex members this coming year.

When Mrs. Kent had read the resolutions describing the new plan of meeting for the various clubs, a motion was made and carried that we adopt this plan, as follows:

Hereafter the clubs will meet together as the Federation only monthly on the

fourth Wednesday night. Second'y, each individual club will have a second meeting at the "Y" on one of the other Wednesday nights of the month, thereby giving them additional time when they may have supper and business meetings, or meetings for recreational purposes, and leaving the other Wednesday nights free for the clubs to have meetings at their own plants, if they care to do so. Thirdly, the special Federation classes will be discontinued on Wednesday, and industrial club girls may enroll in any of the general educational classes which appeal to them. The general education department has included in its educational program all the classes that have been requested by the educational committee of the Federation, and Miss Taylor, of the General Education Department, will form new classes upon the request of a number of club girls, just as she has always done.

Classes will begin the week of October 5, and if you are interested it would be well for you to attend the Fall Rally to be held in the gym on the evening of October 2—tonight, by the way—and learn there the program for all the activities to be carried on at the "Y" this year. In any event, Miss Taylor will be glad to go into the matter with you fully at any time.

After Mrs. Kent's talk the following reports were given: Secretary's, Treasurer's, Membership Chairman's, Service Chairman's, Social Chairman's—all of which were of interest to club members.

Bessie Smith and Susie Wagner gave some delightful talks on the Industrial Girls' Conference which they attended this year at Camp Gray, Saugatuck, Michigan. The girls certainly derived some good from their contact with all the rest of the conference delegates. As Bessie put it: "We came back filled with conference spirit and inspired to do greater things for our club."

And what Susie learned was tolerance. To say it in her own words: "When a person meets someone, I imagine that you have the feeling of 'I don't like her—I just couldn't like her,' and afterwards you are always looking for something you don't like. And when I went down there, I looked the bunch over and decided that there were some girls that I didn't like at all. But after I got to know them I found that first impressions weren't always right. If you only try, there is some good in everyone you can find."

A motion was made and carried that we send the old president as well as the new president and the conference delegates to setting-up conference.

When the ballots had been cast, and while they were being counted, Mr. Barnes was called upon for a talk. He said that because of the fulsome introductions and

remarks by Miss Jones it was rather hard for him to get started, and added that it was the tenth time he had been up against the same thing.

Mr. Barnes gave us some very interesting information about the formation and progress of our club, from the time it was organized in the fall of 1915, when there were only 360 girls working here (90 percent of them in the fractional horsepower motor department) and when the club had 60 members, to the present year 1925, when the Fort Wayne Works employs 1,068 girls and the Elex Club has a membership of 250. He continued with some more "ancient history" that we had never heard before but which we were glad to know, and explained the growth of the Company's policy regarding employees' activities.

Then came a selection of songs by Flora Boerger, accompanied by LaVera Vail, followed by the report of Lillian Steup on her six weeks' course at Wisconsin University. Lillian gave a splendid talk, which, though short, gave us some idea of her program at the University. She said in conclusion: "There is just one thing I want to say that I got out of the school. I was astonished to find that people who were not interested in the production of any kind of materials or articles to be sold on the business market were so closely connected with the trend of industrial life. Girls that had worked in industry and had helped to make the things that were sold and had to make their own living really did not know half the facts of industrial life that these people did, and they gave us a much broader view of the industrial world than we would have gotten ourselves. And another thing brought to me was that the people who do *big* things are just as much human beings as we are. * * * I suppose that all you get done in six weeks is to have time to think."

Mrs. Hockett gave us a few words of greeting and then Mr. Hockett concluded the program with a talk that appealed to all of us, and said that it would be a fine object if all of us girls were to be on the look-out for someone to whom we could lend a helping hand if he or she should get into difficulty of any kind.

The election of new officers met with approval, promptly expressed:

Lillian Steup—President.
Josephine Magers—Vice-President.
Tressie Singrey—Secretary.
Susie Wagner—Treasurer.

Lois voiced her appreciation of the support she has received during the past year, and bespoke for Lillian the same loyal spirit and interest that has always characterized Elex Club.

Come on, girls, all set for the first get-together.

Shares of stock in American electric railways are held by one out of every eighty-five persons in the entire country, according to the American Electric Railway Association. The average holdings of each person amount to \$4,000.

Elex Week-End at Camp Yarnelle

What's the use, girls, of telling you all over again of the fun you will have on this trip to camp? No doubt you have heard about it again and again, whether in this column, or from your friends, or from someone down at the "Y", and we know that if you want to come badly enough, nothing will stop you.

The date this time is October 17 and 18. Reservations will have to be made, of course, some time during the early part of the previous week. Don't delay, but see your membership girl at once, or tell one of the officers, and make your plans now to spend this week-end at Camp with the rest of the G-E girls.

Fall Rally to Be Held at "Y" October 2nd

This evening, in the gymnasium of the Y. W. C. A., beginning at 8:00 o'clock, there will be held the annual Fall Rally of all departments of the "Y"—Industrial, Health Education, Girl Reserve, Educational, etc.—at which time the programs of the various departments will be described and explained in detail.

This will be a splendid opportunity to ask those questions you have had in mind about various activities, and it will surely be worth your while to attend this meeting and get such information first hand.

During the course of the evening refreshments (ice cream, coffee, etc.) will be on sale in the cafeteria.

Payroll Department Girls Surprise Miss Walburn

The girls of the Payroll Department held a birthday surprise on Miss Anna Walburn, at the home of Miss Naomi Graver, Wednesday evening, September 9. The evening's entertaining features were dancing, music and games, after which a dainty collation was served by the hostess and her mother, Mrs. Graver. The girls present were the Misses Dorothy Thompson, Erma Somers, Margaret Wehrle, Anna Walburn, Leone Terinn, Naomi Armstrong, Thelma Sparks, Loretta Grotthouse, Dorothy Bixler and Mrs. Fred Paul. They presented Miss Walburn a very pretty and useful gift and hope she may have many more such happy birthdays.

Fractional H.P. Motor Engineering Girls Have Picnic

The girls of the Fractional H.P. Motor Engineering Department enjoyed a picnic at Trier's Park, Wednesday evening, September 9th. The affair was given in honor of Miss Jeanette Weiss, who left September 19th to enter the Kellogg School of Physical Education at Battle Creek, Michigan. Miss Weiss was presented a fountain pen and an Eversharp pencil by the girls present, Clara Ankenbruck, Anna Goleeke, Hildegard Hormel, Madeline Jacquay, Nondes Miller, Magdalen Welch and Wilma Schram.

Weddings

Cupid seems to have been unusually active in the Drafting and Material List Departments in Building 18-5 during the months of September and October, as we have three very happy weddings to report from these departments.

Carver-Hey

Miss Vivian Hey of the Drafting Department was married to Huston Carver on Saturday afternoon, September 12, at 4 o'clock at the Emmaus Lutheran Church. Miss Hey left the employ of the Company on August 29, after nine years of faithful service. She was presented a beautiful floor lamp as a wedding gift from her co-workers in the Drafting Department. Vivian's pleasing personality won her a host of friends at the G-E and they all wish her a full measure of happiness in the years to come.

Rife-Holsinger

Harry Rife of the Drafting Department was married to Miss Ocie Holsinger of Rome City on Saturday evening, September 5. The members of the Drafting Room presented the couple a beautiful clock as a wedding gift.

Baltes-Meyers

Miss LaVerne Meyers of the Material List Department will be married to Carl Baltes of this city on October 15th. They are to be married at St. Patrick's church.

Miss Carolyn Holz and Robert Helm are new employees in the Payroll Department.

"A Woman Has But One Thing To Sell," Says Dr. Frank Crane

I wish I could say something to you women to make you realize your worth and the high prices you ought to set on yourselves. Do you know you are the one thing in this world the man wants most of all? He may give his time and labor and money for other things, but for you he will give his soul.

You are just that expensive—higher priced than rubies and diamonds, a deeper necessity than bread, a greater luxury than yachting and limousines, the cause of a more irresistible want than whiskey or drugs; in fine, the most valuable commodity in the market of the world.

Why cheapen yourself?

Why give away a handclasp wantonly when it might nerve a man to success? Why squander your kiss when it might be the price of a man's soul, unleash his feet from a bad habit, and win him to nobility?

You depreciate yourself. You say you amount to nothing and that it makes no difference what you do.

Every woman is a battery of electric purpose, or might be. Every woman is a ladder let down from heaven for some man. Every woman is a life-preserver that may save some man from going under in the sea of despond.

Whatever else you may hear of "the mission of woman" and of what she might do in the field of politics, or business, or

art, the biggest business, after all, for woman, the most inalienable of her privileges, is to make men be real men, and to make children be sons of God.

Hold up the price! Make him pay! Let him realize that the road to your love, the way to your smiles and kisses, is the highway of greatness.

Do you know what you were put into this world for? It was to make men great.

Make him pay!

Not money, nor flattery, nor favors. These be cheap counterfeits. They mean nothing, or worse.

But make him pay in Truth and Honor and Strength and Loyalty and Fineness. He will pay the price, if you stand out for it. Be firm! Drive a hard bargain!

You have but one thing to sell. It is Yourself. Make him pay—Himself!

—Reprint from *New York Globe*.

ATHLETICS

G-E A. A.

G. E. A. A. Holds Annual Election of Officers

The G. E. A. A. recently held its annual election for new members of the board of directors. The balloting resulted in the selection of Frank Quinn, Wade Reed, John Blakely and Hilda Walda to serve for a two-year period. A Kabish was selected to represent the Winter Street Plant. These people together with F. A. Thompson, H. J. Andress, W. W. Dreyer, Irene Meyers and W. J. Hockett form the board of directors of the association for the ensuing year. At the initial meeting of this board, the following officers were chosen for the year: F. A. Thompson, president; H. J. Andress, vice-president; W. W. Dreyer, secretary and Frank Quinn, treasurer. The result of the election was as follows:

Frank Quinn	891
Wade Reed	824
J. Blakely	760
Hilda Walda	747
Tressie Singrey	489
F. Case	308
A. Delegrange	388
E. Thomas	345
W. Golden	332
E. Schurenberg	331

G-E Team in Y. M. C. A. League Wins the First Game of Series

After defeating the Wabash team, winners of division B teams of the Y. M. C. A. Industrial League, the G-E nine defeated Dudlo, winners of the first half, in the first of a three-game series by the score of 10 to 7. Wolf pitched for the G-E team and was the star of the game, allowing Dudlo but 9 hits and striking out 8 men. In addition to this he gathered 3 hits, one of which was a double. Enders connected with a home run. The second game of the series is scheduled for the 26th of September.

City Industrial Title Still Undetermined

After being defeated by the Wayne Tanks in the first of the post-season games, the G-E nine came back with a barrage of hits and smothered the Wayne Tank team under a 14 to 1 score. The G-E team was decidedly off form in this game, the fielding being very ragged. Terner, in the box for the tank team, pitched excellent ball and it was his pitching that defeated the green and white. Romaine pitched good ball, but errors behind him caused his defeat.

The second game was featured by the heavy hitting of the General Electric team, a total of 19 hits being chalked up for the green and white. Harwood pitched excellent ball, allowing the Wayne Tank but 6 hits. Watt led the local team in hits with 4 out of 6 trips to the plate, of which 2 were two-base hits. Williams connected for a long home run over the left field fence.

The third game of the series was originally scheduled for the 19th, but due to injuries and sickness of the Wayne Tank team the game was postponed to the following Saturday.

Huge-Billman Leading in Second Round of Horseshoe League

By winning 24 games and losing 5 Huge and Billman are leading the horseshoe pitching league. Blakeley and Schelper by winning 25 games and losing 7 are in second place. Interest in this league has been exceptional, but one team dropping out due to one of the boys leaving for school. Practically all of the scheduled games have been played except a few which have been postponed on account of rain or similar reasons. The standing of teams to date is as follows:

	Won	Lost	Pct.
Huge-Billman	24	5	.828
Blakeley-Schelper	25	7	.781
Cunningham-Graham	18	6	.750
S. C. McAfee-Weidemeyer	20	7	.741
Stute-Anderson	22	8	.734
Schlup-Joseph	22	12	.647
Wedler-Walker	15	11	.572
Hamilton-Thomas	16	14	.534
Hassler-Mennevich	17	15	.532
Kessler-R. Mennewisch	13	13	.500
V. Rump-Archer	14	16	.466
Oustott-Daley	9	12	.428
Wagner-Allen	8	12	.400
C. Rump-C. K. McAfee	11	18	.379
Lenz-O. Schelper	12	20	.375
Mutton-Smith	11	23	.324
Clevenger-Doenges	3	15	.167
Waldschmidt-Weigman	4	26	.133
Heinley-Gibson	3	24	.111

G-E Girls Organize Basketball Team

The General Electric Company will again be represented by a strong girls' basketball team this year. Miss Hildegarde Hormel is acting as manager for the team and desires the names of all girls who wish to try out for the team and requests that anyone interested call her on phone 578 as soon as possible as practice will start very soon. Further

announcements will be given later and notices for tryouts will be posted on the bulletin boards.

More People Wanted to Play Horseshoe

Quite a number of girls in the plant have expressed a desire to play horseshoe and Mr. John Blakeley, Building 4-B, has volunteered his services to teach any of those who wish to learn and all those so desiring may get these instructions by an appointment with Mr. Blakeley. The G. E. A. A. has purchased a number of pairs of standard horseshoes which can be secured on a tool room order from Mr. Harkenrider, telephone 605.

News From Our Absent Employees

N. J. Roth, of the Pattern Shop, Building 12-2, is a patient at his home, 1706 West Main Street, recovering from an operation for appendicitis. The latest report from his home is that he is feeling fine and expects to return to work as soon as he is a little stronger.

Helen Humbarger, employed in the Small Motor Department, Building 4-4, is slowly recovering from an operation. Helen reports that she is feeling quite well; however, the doctor advises her to remain at home at least one year. We are glad to hear that she is recovering, but sorry to learn that she will be away from us so long.

Leila Dennis, residing at 2810 Fox Avenue, and employed in the Induction Motor Department, has been away from her duties for some time on account of illness. She is now well on the road to recovery and hopes to return to work within the next few weeks.

Irene Pappert, employed in the Meter Inspection Department, is at her home, 3120 South Monroe Street, suffering from a nervous breakdown. Her condition was critical for some time, but she is now showing signs of improvement and hopes to be able to return to work in a short time.

Edward Witte, of the Industrial Relations Department, is now at his home, 2418 South Broadway, recuperating from an operation for appendicitis. Ed reports that he is feeling fine and promises to be back at his desk in a short time.

Latest word from our friend Jo Zimmerman, also of the Industrial Relations Department, is that she is so much improved that it is only a matter of a very short time until she will be back with us again.

Installations of the Novalux highway lighting unit are still winning favor, according to reports from Atlantic City, where the General Electric Company has just supplied more than sixty such units for the Pleasantville Boulevard. Comment from the auto-riding public has so far been most enthusiastic.

G-E JUNIORS' PAGE

My Dear G-E Juniors:—

Did you miss me in the September issue of the G-E News? I hope you missed me a little. After I received all your letters telling what wonderful times you had on your vacations, I decided to take a vacation too, and that is why the Juniors' Page was missing from the September G-E News.

I suppose you have all been waiting to find out who were the winners of prizes in August for letters telling about their vacations. They were Evelyn Isenberg, whose mother works in Building 19-4; Gaynol Marsh, whose mother, Mrs. Elsie Patterson, works in Building 19-B; Geraldine Reiber, who is the daughter of J. Reiber, of Building 17-4; Martha Gebert, whose brother, Geo. Sarasizen, works in Building 4-1, and Dorothy Hull, daughter of Willard Hull, of Building 19-4.

Be sure to send in your answer after you have solved the puzzle this month for we are now starting a somewhat different program as to the awarding of prizes. Each month we shall give prizes to the first five Fort Wayne Works Juniors sending in correct answers, and to the first two Decatur Works Juniors sending in correct answers. Each junior will be entitled to win three prizes—that is, one prize each month until he or she has won three. After you have won three of the smaller prizes we shall not send you any more of them but will keep your letters until next June, for on the first of June we shall award the grand prizes for the year. A silver Eversharp pencil will be given to the girl not over twelve years of age who sends in the most correct answers for the year, and a baseball glove will be given to the boy not over twelve years of age who sends in the largest number of correct answers for the year. So if you have already won a prize or two, do not stop sending in answers or letters but send one in each month as you might win the grand prize.

As we have all the letters we received from our Juniors beginning with last June, we are going back and take these into account in awarding these special prizes. So the prizes will go the boy and to the girl who have the best records for the year beginning with last June.

When you write tell us your age, where you live, and who it is that brings you the G-E News. Address your envelopes to G-E Juniors' Page Editor, General Electric Co., Fort Wayne, Ind.

Some of you juniors must have some good pictures of yourselves that were made during the summer while you were at the lakes or away visiting relatives. Now we would like to get enough of these so that we could have a nice page of them in the November G-E News. If you send us a picture, tell us who is on it, and where and when it was made.

Sincerely,

G-E JUNIORS' PAGE EDITOR.

Juniors Write Interesting Vacation Letters

All of the G-E Juniors did not get to spend their vacations away from home but from the letters we received, it looks as if they all had good times. Here are two of the prize-winning letters which we think will interest you.

Dear Editor:—

I am a little girl eleven years old. my name is Gaynol Marsh. I have light hair, blue eyes and am four feet nine inches tall and weigh eighty-two lbs. I am going to write you a little letter.

I am not going away on a vacation. I have to take mine at home as mother has to work and I have to help keep house, but I enjoy doing my work at home for mother. There are nine of us children living so you see mother needs our help.

I do the dishes every morning and noon and my big sister Irene does them at night. I sometimes clean the upstairs. In the afternoon I take the little ones over to the playgrounds so they can have a good time.

You will have to excuse my writing as I never wrote many letters. I have not had much schooling as I have been in the Orphans' Home for almost three years, but mother has me now.

Well, I must bring this letter to a close.

Yours truly,
GAYNOL MARSH,
1220 W. Main St.
Fort Wayne Ind.

Dear Editor:—

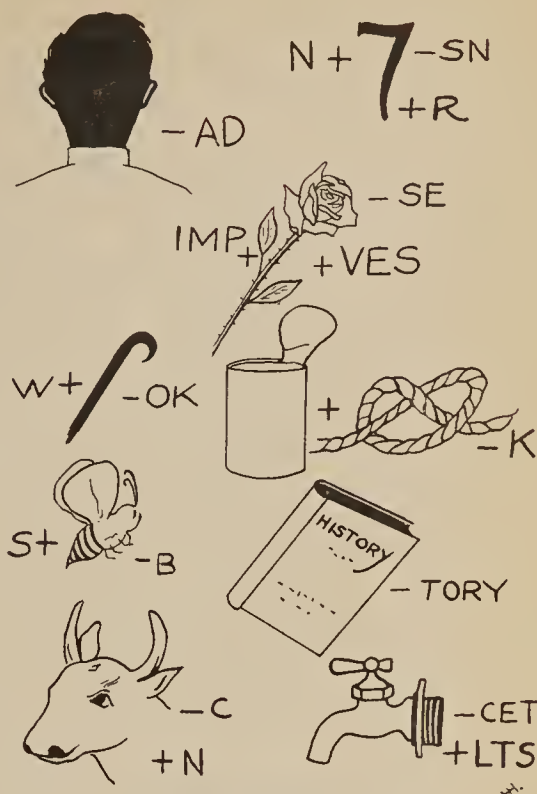
It was July 4th, 1925, after asking daddy about twenty times to let me go to Camp he said, "No." But that night I asked him again and he said, "Yes."

Well, you know how I felt, I thought I was the happiest child in the world.

On July 6, 1925, I got my suit case on the side of the car. It was about 3:30 when I left and I arrived at Camp at 5:30. The rest of the girls were eating their supper, so after they were done I sat down and ate my supper. Then after supper I went up to Netawah and there I found one of my best friends. I asked her if she was going to stay all week and she said, "Yes." I knew then I would know someone.

As I was going through the door I heard some one call my name, on turning around I saw Miss Smuck coming toward me so I waited for her. She took me to a cot and said, "This is your bed." So that night I found myself sleeping on the porch instead of in the dormitory.

Next morning I awoke at 5:30. I sat up in my bed and looked around me, then I remembered I was at Camp, so I lay down again and fell asleep. I awoke again at 6:30, I sat up in bed and as I sat up another girl sat up in her bed.



The Prize Puzzle

She had light hair cut like a boy's and a smiling face. She waved at me and I waved back at her and lay down again. Then I heard a whistle blow—everywhere you looked you would see the girls get up, so I got up too, put on my bathing suit and cap. I ran down to the beach with the girl that waved at me this morning. I found out her name was Maren Steindahl, of Chicago, but everybody called her "Steinie" and so did I. We got to stay in the water fifteen minutes. We then changed our clothes and went to the tennis court where we had setting up exercises, then flag raising, breakfast, then we made our beds, then they inspected our beds, then chapel, bird study, tree study, handicraft, then we had an hour to do as we wanted, then dinner, rest hour that is when we can do anything we want that does not require talking or noise of any kind, after rest hour is swimming, after swimming we have a half hour to ourselves, then flag lowering, then supper, then rowing, then camp fire, then we go to bed at 9:30. So you can see how my week was spent.

I forgot to tell you we had a moonlight dip Wednesday.

I will write you later about our trip to Niagara Falls where we expect to spend a week.

Yours truly,
GERALDINE REIBER,

918 State Blvd.,
Fort Wayne, Ind.

Age 11 years.

More than one hundred induction motors, forty transformers, and various other items of equipment will be installed by the General Electric Company in a large cement plant at Kansas City which is about to be completely electrified. This is the sixth plant of that trade to be electrified within five years in Kansas City territory.

GENERAL ELECTRIC MUTUAL BENEFIT ASSOCIATION—FORT WAYNE WORKS

Statement of Cash Receipts and Disbursements— January 1, 1925, to June 30, 1925—By Sections

HAROLD C. BRUDI, General Auditor

Section Number	RECEIPTS					DISBURSEMENTS										No. of Weeks	
	Balances in Bank Jan. 1, 1925	Dues	Interest	Other Sources	Total	Disability Benefits	General Fund	Other Purposes	Totals	Balances in Bank June 30, 1925	Number of Deaths	Number of Disability Claims	Number of Days Lost Account of Disability	Assessed	Not Assessed		
1	\$ 211.93	\$ 353.50	\$ 7.57	\$150.00	\$ 510.07	\$ 398.90	\$ 73.80	-----	472.70	\$ 249.30	---	15	287	14	12		
2	498.34	2.20	9.52	-----	11.72	77.00	99.00	\$ 1.70	\$ 177.70	332.36	---	5	57	---	26		
3	217.12	956.00	17.55	84.00	1,057.55	655.00	183.10	7.40	845.50	429.17	---	49	349	26	---		
4	417.32	270.50	7.49	-----	277.99	266.40	79.40	-----	345.80	349.51	---	7	132	15	11		
5	396.50	232.40	7.42	-----	239.82	246.00	82.80	-----	328.80	307.52	2	13	126	17	9		
6	295.54	849.70	5.26	-----	854.96	543.75	-----	200.00	743.75	406.75	1	20	340½	26	---		
7	380.70	802.60	6.18	-----	808.78	745.00	-----	-----	745.00	444.48	1	17	372	26	---		
8	257.92	450.70	5.68	-----	456.38	214.50	73.60	-----	288.10	426.20	---	10	149½	23	3		
9	387.38	243.80	6.04	-----	249.84	260.40	96.50	-----	356.90	280.32	---	9	184	12	14		
10	237.44	540.80	-----	-----	540.80	479.50	125.00	-----	664.50	173.74	---	17	240	17	9		
11	366.50	491.10	6.60	-----	497.70	502.00	22.40	-----	524.40	339.80	---	9	274	18	8		
12	444.71	481.40	5.73	-----	487.13	563.00	78.30	1.20	642.50	289.34	---	22	357	13	13		
13	502.77	527.30	9.97	-----	537.27	406.00	144.70	-----	550.70	489.34	---	21	203	18	8		
15	241.83	332.40	4.78	-----	337.18	128.00	78.10	-----	206.10	372.91	---	5	107	20	6		
16	378.34	166.20	7.02	-----	173.22	169.00	47.80	-----	216.80	334.76	---	14	84	13	13		
17	130.61	918.40	3.72	-----	922.12	606.60	63.30	-----	669.90	382.83	---	45	291½	26	---		
18	462.98	450.50	8.03	-----	456.53	582.50	64.40	-----	646.90	274.61	1	22	359½	16	10		
19	411.10	275.20	5.63	-----	280.83	503.55	-----	-----	503.55	188.38	---	10	199	21	5		
20	396.36	358.30	7.95	-----	366.25	254.35	59.60	-----	313.95	448.60	---	10	127	26	---		
21	332.81	199.10	5.72	-----	204.82	63.00	66.30	-----	129.30	408.38	---	6	31½	9	17		
22	207.88	578.30	-----	-----	578.30	217.70	118.40	-----	336.10	450.08	---	13	167	17	9		
23	263.00	214.00	5.22	-----	219.22	106.00	97.70	.20	203.90	278.32	---	7	156	7	19		
24	144.52	515.40	2.35	100.00	617.75	627.50	-----	-----	627.50	134.77	1	29	407	26	---		
25	422.34	38.40	7.21	-----	45.61	142.20	80.90	-----	223.10	244.85	---	12	125	---	26		
26	583.70	897.70	10.27	-----	907.97	866.85	167.10	2.40	1,036.35	455.36	2	21	614	26	---		
27	302.87	363.50	-----	-----	363.50	333.00	118.30	-----	451.30	215.07	---	14	166½	8	18		
28	299.03	544.50	5.07	-----	549.57	228.00	20.80	200.00	448.80	399.80	---	---	114	1	25		
29	419.33	63.00	7.03	-----	70.03	76.00	78.80	-----	154.80	334.56	---	4	63	1	25		
31	467.13	254.50	9.10	-----	263.90	245.50	118.80	1.20	365.50	365.50	---	22	125	11	15		
	\$10,078.00	\$12,370.70	\$184.11	\$334.00	\$12,888.81	\$10,507.20	\$2,238.90	\$414.10	\$13,160.20	\$9,806.63	8	458	6,208	453	301		

1	Notes payable to General Fund dated 5-1-25, 90 days -----	\$ 150.00
7	Notes payable to General Fund dated 12-27-23, 1 year -----	300.00
24	Notes payable to General Fund dated 2-9-25, 1 year -----	100.00

1 Investment in Citizens Trust Company 1st Mortgage Bonds	
No. 1163, Rate 6%	\$200.00
Net Worth of Sections	\$9,456.61

General Fund

Balance on Deposit (Citizens Trust Co.) Jan. 1,	
1925	\$2,370.28

RECE1PTS

Assessments from Sections	}	-----	2,846.64
Applying on Notes Receivable			
Interest on Bank Account			
			<u>\$5,216.92</u>

DISBURSEMENTS

Investments in 1st Mortgage Bonds	\$1,467.92
Death Benefits	1,300.00
Flowers	30.25
Premium account Surety Bonds	35.00
Loans to Sections	250.00
Liquidation of Section No. 14 Bank Overdraft and Sick Benefit Payment to Former Member of Same Section	100.96
	<u>3,184.13</u>

Notes Receivable:

Notes due from Sections 1, 7, 24.....\$ 550.00

Investments Securities:

Citizens Trust Co. First Mortgage
Bonds—6% Interest:

1	164	500.00		
1	165	500.00		
1	166	500.00		
1	167	1,000.00		
1	168	1,500.00		
1	168	1,500.00	4,000.00	4,550.00

Net Worth of General Fund	\$ 6,582.79
---------------------------	-------------

Plus Worth of Sections	9,456.61
------------------------	----------

Grand Total Net Worth of M. B. A. \$16,039.40

(Signed) HAROLD C. BRUDI, General Auditor.

Bank Balance June 30, 1925	\$2,032.79
----------------------------	------------

September 18, 1925.

KEEPING FIT CONTEST

Standing of Major Departments, September 15, 1925.

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Meter Department	17.98	9.55	62.00
2. Contributing Departments	19.64	15.44	21.20
3. Fractional H.P. Motor	19.40	15.45	20.29
4. Apparatus	5.44	4.41	18.95
5. Transformer	12.02	11.02	8.31
6. Building and Maintenance	12.10	19.10	—57.90
7. Induction Motor	4.57	7.35	—60.70
8. Decatur	8.82	17.65	—100.00

Safety News

Factors entering into the increase of accidents during the summer months are the switching of employees on to jobs that they are not familiar with, in order to take the place of the regular operators who are on vacations. Heat also tends to slow up the operator and increase the probability of accidents. Increased production demands and new employees hired to help meet these demands are other determining factors, because there is a tendency among the foremen and the older operators to lose sight of the new employees and fail to give them the proper instruction in the efficient and safe use of the machines to which they are assigned, and so we have increased accidents along with increased production.

A total of fifty-seven lost time accidents occurred at the Fort Wayne and Decatur Plants during the months of June, July, and August. This is nearly fifty per cent of the total for the eight months period ending August 31st.

During a recent trip through the Middle Western states, the writer was impressed by the way in which the smaller companies are pushing safety work in their plants. At one of the small manufacturing plants visited on this trip in which safety work has been organized only a few months, many up-to-date safety devices have been

installed, organized periodic inspections are made, and National Safety Council propaganda is very liberally distributed. This merely shows that safety is far reaching and that the field for more active work is unlimited.

The Fourteenth Annual Safety Congress, the crowning event in the yearly activity of the National Safety Council, ended recently. It had been in session since Monday, September 28th, at Cleveland, Ohio. At this congress each year are gathered specialized groups with different problems, but a single purpose—the conservation of human life and the preservation of human happiness and usefulness. Included in this immense group of several thousand persons are executives, engineers, educators, city and state officials, physicians and welfare workers, with a growing representation of supervisors and key men from the industries.

The Fort Wayne Works was represented at this Congress by E. L. Misegades, Safety Engineer. A short resume of the proceedings of the Congress will be published in the November News.

The Meter Department is quickening its stride in the Keeping Fit Contest race and has increased its percentage from 45.90 on August 15th, to 62.00 on September 15th. The Fractional Horsepower Motor Department, holder of second place for the past three months, was ousted by the Con-

tributing Departments and gently shoved back into third place.

Safety Sermons

There is plenty of parking space on a railroad crossing.

Salesman (on train)—“How often does your road kill a man?”

Conductor—“Just once.”

O bscurc
C areless
T endencies
O ften
B ring
E ndangering
R esults

A minute for safety beats a month for repairs.

An artificial leg, latest model costs \$125 or more but it can't equal the original for walking, dancing, or general satisfaction.

Playing safe beats playing a harp.

The best way to watch the road is through the windshield.

People who knock—like motors—need adjusting.





The city moves to the country



To the electric railways of America the General Electric Company contributes engineering skill and manufacturing efficiency. It builds motors that last a generation in service and controlling devices that make electric transportation one of the safest means of travel in the world.

ELECTRICITY builds cities. Without electric elevators, pumps and fans, the tall buildings would be lifeless piles of steel. Without electric cars, city streets could not accommodate the crowds.

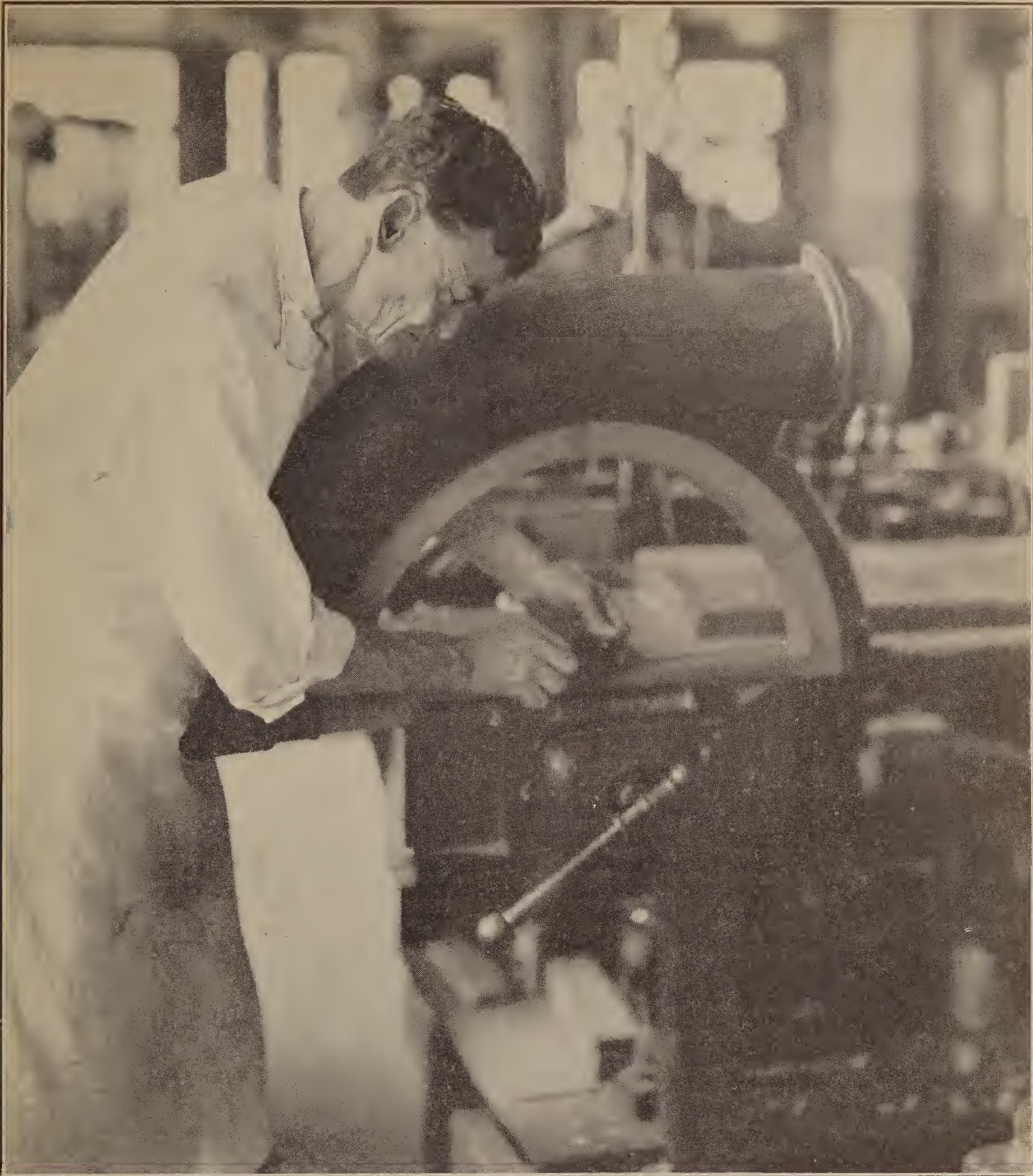
But now, having made the modern city, electricity is making the country. Wherever electric lines lead out from the city, you find suburban property values enhanced, suburban life made comfortable, and waste land blossoming into homes.

The automobile helps. The motor bus helps more. But

the trolley and interurban cars are more important still. *Sixteen billion* Americans rode on electric lines last year—145 rides per capita of our entire population!

This is an impressive record for a utility that is still young. The first complete electric railway system in the United States was installed in Richmond, Virginia, in 1888. It was a quaint, almost an experimental car-line. But it introduced a new economy in transportation, a new epoch in the art of making homes.

GENERAL ELECTRIC



Vol. 9

November, 1925

No. 11

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS



Patternmakers

THE word "pattern" with our common conception of it as something to be taken as a model has grown so intimately into our language that the term "patternmaker" naturally carries with it the conception of a workman who does unusually clever and accurate work. Special skill as a workman is, in fact, a first requirement of one who follows the pattern-making trade. If a pattern be crude and inaccurate in itself there is no practical way in which molded reproductions of it can be prevented from being poor castings for the shop to struggle with. In selecting one of our most skilled patternmakers for the subject of our cover illustration, we wished to bring to the notice of our readers the work of a relatively small group of men working under the supervision of Foreman G. Thiele in Building 12-2, who reproduce in wood and metal patterns our engineers' and draftmen's conceptions of the proper design and appearance for all the cast metal parts of the various products of our plant.

There is much that the master patternmaker must know about woods, metals and other materials in order that he may fabricate patterns that will retain their shape, handle with ease in the foundry and produce properly shaped castings. He must know the shrinkage of metals in cooling to normal temperatures from the molten condition in which they enter the molds. He must make his patterns in such sections as will enable the parts to be easily withdrawn from the molds. He must withal be an experienced operator of various wood-working and metal-working machines, as well as a craftsman in the handling of the various bench tools and ingenious measuring devices, for they all come handy in building the difficult patterns such as the one Martin Wells, the workman of the cover illustration, is rounding into shape.

The patternmakers, the skilled workmen in Building 12-2, are therefore an essential link in the chain of production of the many meters, instruments, units of power apparatus, and the wonderful little electric servants, the fractional horsepower motors which are going out from our Fort Wayne and Decatur plants to all parts of the civilized world.

October Meeting of Manufacturing Committee Held at Fort Wayne Works

President Gerard Swope, Vice-President Francis C. Pratt and the Managers of the Various G-E Plants Inspect Fort Wayne and Decatur Works

ON October 14th and 15th the members of the Manufacturing Committee held their regular monthly meeting at the Fort Wayne Works. This is the committee which considers all such questions as needs for new factory buildings, reapportionment of manufacturing facilities, transfers of manufacture of products from one works to another, proposed appropriations for new equipment, etc. It is obvious that the members of the committee should have first-hand knowledge of all the plants of the Company and their various manufacturing problems, therefore, the monthly meetings of the committee are held at the different plants of the Company. It is about two years since the committee met at the Fort Wayne Works.

The first day of the meeting was given over to inspections of the Broadway, Winter Street, and Decatur Plants. No doubt many of our people had opportunity to explain certain points in connection with their work as the visitors passed through the various buildings. Visitors from other factories are almost sure to find some things done here in a different way from that found in other plants. We are always hopeful that our methods may prove of particular interest and value, and that they can be utilized to good advantage in the other works of the Company.

On the second day of the visit the committee held its business session. This, of course, was a busy day for the members, and accordingly, the Works people saw little of the visitors on that day.

There were present during the meeting: Francis C. Pratt—Vice-president, in charge of Manufacturing and Engineering, and chairman of the Manufacturing Committee.

E. W. Allen—Manager, Engineering Department.
W. R. Burrows—Manager, Edison Lamp Works, Harrison, N. J.
C. C. Chesney—Manager, Pittsfield Works.
W. Stewart Clark—Manager, Bridgeport Works.
N. J. Darling—Manager, River Works, West Lynn.
G. A. Elder—Assistant Manager Switchboard Department, in charge Philadelphia Works.

A. B. Lawrence—Assistant Manager Switchboard Department, in charge Baltimore Works.

M. Griswold—Manager, Erie Works.

C. D. Knight—Manager, Bloomfield Works.

H. R. Sargent—Managing Engineer, Wiring Supplies, Bridgeport Works.

J. W. Upp—Manager, Switchboard Department.

W. S. Goll—Manager, Fort Wayne Works.

J. T. Broderick—Secretary of the Committee.

There were also in attendance at the meeting:

Gerard Swope—President.

J. G. Barry—Vice-president, in charge of sales.

H. Baltozer—Schenectady Works.

I. F. Baker—River Works, West Lynn.

J. W. West—West Lynn Works.

R. Trumbull—Schenectady, and

J. H. Evans and E. A. Barnes, Fort Wayne Works.

At the close of the meeting on Friday afternoon, the various members and others in attendance departed for their several destinations.

The Factory Girl's Work and Surroundings of 20 Years Ago

Miss Bessie Chapman Tells of Conditions Here When She Came to the General Electric Company

“TWENTY years of progress have certainly done wonders for the girl in industry, for I have noted great changes here in our own G-E plant,” says Miss Bessie Chapman, employed in the Transformer Department in Building 26-2.

If we should have to turn back twenty pages in the book of yesteryears and work under the same factory conditions and for the same money that girls did in those days, we wonder what would happen. To work for seven cents an hour, or at best when on piece work \$1.25 per day, and that a ten-hour day, seems impossible to have been true. Living conditions, of course, were different in those days and the social demands in the life of the working girl were so much less than they are today, that it was possible to live on the meager wages of from seventy cents to \$1.25 a day. Nevertheless, we are glad that we are privileged to live under and enjoy the improved conditions of 1925.

Bessie came to the General Electric Company, September 30, 1905, and worked in the Meter Department under Foreman A. F. Strube. Her first job was winding meter coils by hand. This work, she explained, was performed in an old building on the site of our present Building 4. Miss Chapman tells of how she had to walk across the roof of one building and then cross a rickety little foot bridge in order to get to the second floor of the



MISS BESSIE CHAPMAN

building where she worked. There were about eighteen girls working on this floor, which was divided into three sections, the Meter, the Arc Lamp and the Transformer Departments. The only other place in the factory where girls were employed was the

Mica Department, where there were about four girls. At that time, therefore, there was a total of only twenty-two or possibly twenty-four girls employed here at this Works.

The forelady in the department where Miss Chapman worked was Miss Katherine Golden. She worked with the new girls a few hours until they could begin to handle their work alone, but they did not get nearly the attention in those days that the new girls of today receive. Most of the coil winding was done by hand, but the work tables were too high for most of the girls to be comfortably seated while at work. The girls had to hold the spools with one hand and arm, while with the other hand they had to guide the wire as it unwound from the spools onto the coils. Today a girl can watch five or six spools at one time with practically no physical exertion, as it takes but the pressure of her foot to control the power which winds the wire from the spools onto the coils.

Twenty years ago, there was no Elex or other club for girls here at the G-E. Miss Chapman says, "We did not know what a club was. When the Elex club was first introduced the girls were hesitant about joining, and some of them asked my advice. When I decided to join, many of the girls in the department did likewise. The only organization within the Works when I started here was the M. B. A. There were no personnel workers in the factory at that time. The rest rooms were in a deplorable condition, the girls having to scrub and clean them in order to maintain a semblance of sanitation. Girls were very backward about taking work in a factory in those days and most certainly neither the work nor the working conditions were nearly as attractive as they are today."

Miss Chapman has done coil winding practically ever since she came to work here. She has instructed new girls in winding and inspecting coils and to quote her, she says, "As a rule I do anything that has to be done." Bessie observes that the attitude of the girl in the factory is quite different from what it used to be. "The girls," she said, "used to work without interest in a rather haphazard way, apparently just to draw their money on pay day. Now they turn out much better work and in general take more of an interest in their jobs."

Miss Chapman aids in the support of her aged parents, with whom she makes her home. Her father formerly was employed in the Blueprint Department here, but he is now retired. Apparently Bessie considers factory work a good form of activity as a life's work for girls. She is quite enthusiastic over the improved conditions which have made our factory a healthful and a pleasant place in which to work.

Shares of stock in American electric railways are held by one out of every eighty-five persons in the entire country, according to the American Electric Railway Association. The average holdings of each person amount to \$4,000.

Big Electro-Technic Dance to Be Given November 17th

Electro-Technic Membership Drive Nets
Over 800 Members

Five Hundred Members Attend Opening
Banquet and Hear Manager
Goll's Address

TRIER'S Minuet has been engaged for the big dance the Electro-Technic Club will give on November 17th. This is to be a most jolly and informal affair, and it is expected that practically the whole membership of the club will turn out for this event. Good music for the dance is assured, as Paul Spiegel's "Melody Men" have been engaged to play. Paul Spiegel, the pianist and director, and Jack Renner, who plays the banjo, are both employees of our Plant.

E. C. Foley, chairman of the Entertainment Committee, announces that there will be some clever novelty dances and that there will not be a slow moment at Trier's that night after 8:30, the time the music starts. Admission to the dance will be by presentation of E. T. C. membership cards.

The Electro-Technic Club membership drive held during the week of September 19th to 24th inclusive, netted something over 800 members with the prospects being fair that 1,000 members would be secured for the club before the season is far advanced. Approximately 500 of these members attended the opening meeting featured by a dinner served by our Works' restaurant, and an address by our Works Manager, Mr. Goll. Our genial restaurant manager, "Jim" Sivits, and his staff are to be commended for the way in which they were able to serve this unusually large crowd.

Following the dinner all the members adjourned to the second floor, where our Works Manager, Mr. Goll, was introduced by C. H. Baade, the president of the club. Mr. Goll favored the members with an interesting description of the manufacturing methods, rates of pay, living conditions and in general the industrial conditions as the visiting group of G-E officials found them in Belgium, France, Italy, Germany and England on their visit to the continent during the past summer.

Following Mr. Goll's address the humorous seven-reel picture of Harold Lloyd, "Safety Last," was shown. This completed the scheduled events on the program, but following the motion pictures many of the members enjoyed an hour or two in social games before the party finally broke up.

This first event on the program of the Electro-Technic Club is simply typical of the worth-while events which will follow during the winter season. The club has the reputation of giving the utmost in the way of entertainment and worth-while features for the dollar membership fee. It is only natural to suppose that the success of this first number on the Electro-Technic program will encourage still others to seek membership in the club.

Apprentice Alumni Hold Last Business Meeting of Year

Will Hold Bowling Tournament for
Members During Month

ON Tuesday evening, October 20th, members of the G-E Apprentice Alumni Association gathered in Building 16-2, for the last quarterly business meeting of the year, C. Willard Hale presiding. This was a combined social and business meeting with refreshments of a substantial nature being an important part of the entertaining events.

A number of members of the Association staged a very interesting mock trial at this meeting. Starring in the leading parts were: Charles Bracht, Delbert Roloff, Henry Wittber, Karl Schlenker, E. G. Stock, John Craig and Carl Geller. It was reported that Willard Hale had one of the heaviest parts in the performance and took his part well. The sentence of the court was unusual in that it was pronounced upon all members present, sentencing them to twenty minutes in the dining room, where everyone certainly enjoyed himself.

At the business session which preceded the mock trial, a nominating committee, consisting of Herman F. Brown, Delbert Roloff, Carl Geller and E. G. Stock, was elected to nominate officers for the ensuing year.

The Entertainment Committee announced that the December event would be a party, the time and place to be selected by the committee in charge of Delbert Roloff. The Entertainment Committee also announced a trip through the new plant of the Northern Indiana Gas and Electric Company to be taken some time this month; and a bowling tournament for five-man teams and still another for doubles and singles, which will be held some time in November. The Association's scheme of awarding the prizes is such that it is not necessary for an individual to be a star bowler in order to qualify for a prize. This feature has done much toward making these bowling tournaments most popular with the boys.

On January 19th, the first quarterly meeting of the new year will be held. At this time the boys will have a banquet, officers will be elected for the new year and several eligible for membership in the Association will be duly initiated. There is hope of having an able speaker on hand for this event. The Entertainment Committee is very anxious that there should be one hundred per cent attendance at all these events.

Installations of the Novalux highway lighting unit are still winning favor, according to reports from Atlantic City, where the General Electric Company has just supplied more than sixty such units for the Pleasantville Boulevard. Comment from the auto-riding public has so far been most enthusiastic.

Giant of the Seas Electrically Equipped by General Electric Company

Lexington and Saratoga Most Powerful Vessels Afloat

A NEW giant of the seas has been launched and the General Electric Company again has played an important part in the history of naval accomplishments. The U. S. S. Lexington, the Navy's new airplane carrier and sister ship of the U. S. S. Saratoga, which slid down the ways of the Fore River yards of the Bethlehem Shipbuilding Corporation at Quincy, Mass., October 3rd, is completely equipped with General Electric apparatus.

Navy officials who witnessed the maiden plunge of this five-acre floating airplane field declared that it was the most perfect launching they ever had seen. If you can imagine a ship, the deck of which is large enough to lay out a couple of football gridirons, with a baseball diamond thrown in for good measure, then you can conceive of the size of this huge airplane car-

rier and gain some idea of the power which it takes to propel the great craft through the waves.

The Lexington, as well as the Saratoga, is electrically propelled and the equipment for both was made in the plants of the General Electric Company by General Electric employees. The power plant of the Lexington is capable of developing the tremendous force of 180,000 horsepower. This is greater than the combined rated output of the six electric driven capital ships now in commission, viz., New Mexico, California, Tennessee, Maryland, Colorado and the new pride of the Navy, the West Virginia.

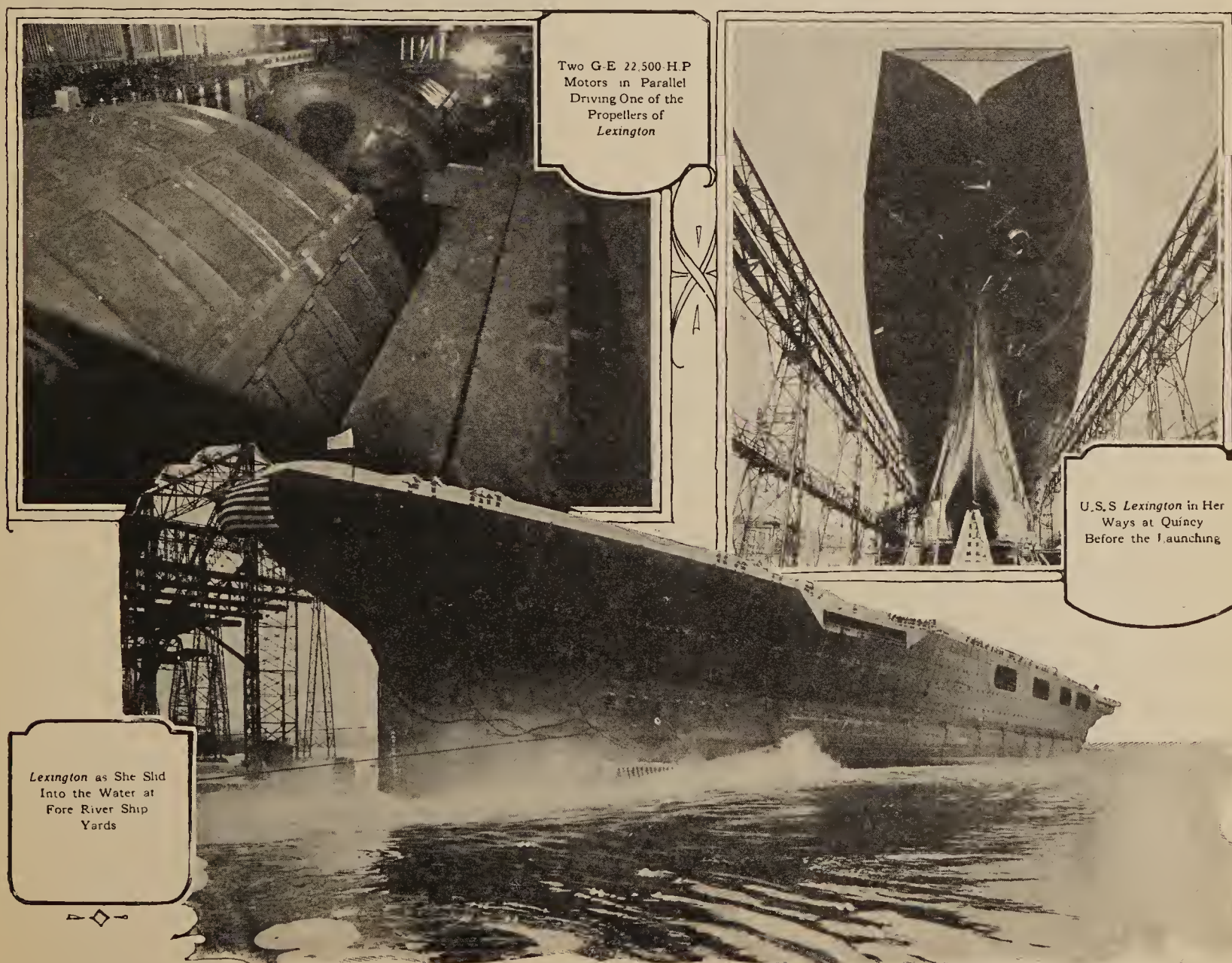
The speed of the Lexington will be more than thirty-three knots, or about twelve knots more than the speed of a fast man-of-war. The length overall is 888 feet

and the beam is 105 feet. The Lexington will have an almost unlimited capacity for generating electricity—being capable of producing enough electric current to light and otherwise supply the electric current demand of a city the size of Boston. In other words the apparatus of the Lexington could supply the electrical needs of a city of 700,000 inhabitants.

The chief use for this huge electrical output is for propulsion. A speed of thirty-three knots is equivalent to about thirty-nine land miles an hour or practically equal to the speed of the average express train. When it is considered that a ship which weighs more than 33,000 tons can be driven through the sea at this speed, even in stormy weather, it is possible to realize what a vast driving power is necessary to propel this "Giant of the Water."

The propulsion apparatus was designed by General Electric engineers. It consists of four 35,200 kilowatt turbine generator sets which supply current to eight powerful electric motors. The turbine generators are operated by steam from sixteen oil-fired boilers. All of this apparatus

(Continued on Page 15)



Two G-E 22,500 H.P.
Motors in Parallel
Driving One of the
Propellers of
Lexington

U.S.S. Lexington in Her
Ways at Quincy
Before the Launching

Lexington as She Slid
Into the Water at
Fore River Ship
Yards

FORT WAYNE WORKS NEWS

Published on the first Friday of each month
by The General Electric Co. in the interests of
the employees of the Fort Wayne and Decatur
Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
E. L. Misegades _____ Safety
Flora Boerger _____ Girls' Department
Wade Reed _____ (G-E A. A.) Athletics
Robert White _____ Decatur Works

REPORTORIAL STAFF

H. A. Wilding _____ Electro-Technic Club
Mabel Liggett _____ Elex Club
Carrol Blincoe _____ Apprentice Association
Fred Duryee _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
John L. Verweire _____ Band
J. E. Hall _____ Quarter Century Club
Edward Witte _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
R. E. Coates _____ G-E Squares
Irene Fox _____ Absent Employees

Vol. 9 November, 1925 No. 11

A Part of the Whole

An employee of the General Electric Company was returning from Chicago to Schenectady by motor. A short distance out of Detroit he stopped at a wayside stand to replenish his stock of tobacco. "Did you notice the northern lights tonight?" asked the genial roadside shopkeeper. The General Electric man smiled. "No, I hadn't noticed them," he said. "Come on out here," said the other, moving from behind the counter and leading the way to an open spot where the starlighted horizon was visible for miles in every direction. "See that light flashing over there," and the roadside lover of natural phenomena pointed toward Cleveland. And behold, even toward the east, the northern lights were scampering across the sky. "Ain't that pretty now?" asked the merchant. "They didn't use to show up like that last year but lately they have been shooting up most every night. I've pointed 'em out to a lot of people but no one seems to know just what causes light to jump around that way." The General Electric man smiled again. "I'll tell you what makes those northern lights," he said. "The General Electric Company makes them." "The General Electric Company? You don't say!" "Yes," said his instructor, "the General Electric Company makes those 'northern lights' you see over there toward the east and south. They make them at Schenectady, N. Y., and the two that you see from here are located in Cleveland and Toledo. They are giant searchlights, mounted on tall buildings and the brilliant beams are used as beacons for aviators that they may guide their roaring planes straight and true through the night." "Well, I swan," said the other. "Now what a wonderful thing that is." As the General Electric man drove away the beacon of Cleveland continued to flash

on ahead and he, too, acknowledged, as he watched it grow brighter and brighter, that it was a wonderful thing.

And any General Electric employee might have felt the same thrill, the same pride in the accomplishments of an organization of which he was a member—an organization to which he was contributing his part to the accomplishment of scientific miracles.

Company Business Report

Gerard Swope, president of the General Electric Company, announced on October 11th, that orders received by the General Electric Company for the three months ending September 30th, amounted to \$73,561,483, compared with \$58,389,832, for the same quarter in 1924, an increase of twenty-six per cent.

For the nine months of the present year orders total \$223,876,711, compared with \$203,097,719, for the first nine months of 1924, an increase of ten per cent.

New Group Life Insurance Plan of Interest to All G. E. Employees

Has Additional Purchase Clause

A NEW plan for providing life insurance for employees which adds many desirable features to the present plan was announced November 2nd, by President Gerard Swope. The outstanding advantage of the new plan is that it gives the employee a long desired opportunity to purchase life insurance in addition to that provided gratis by the General Electric Company.

For nearly six years now, the Company has provided, entirely at its own cost, Group Life Insurance for the protection of the large majority of General Electric employees. During the time that the present plan has been in effect more than \$2,000,000 have been paid to over 1,800 beneficiaries. While this plan has served its purpose satisfactorily, there have been many objections to its limitations, chief of which was the absence of a clause providing for the purchase of additional life insurance at a minimum rate with monthly payment of premium. Still another objection to the existing plan has been that it provided no insurance for the man who had been pensioned. The new plan, effective as of January 1, 1926, makes provision for these and other deficiencies in the present plan.

Under the existing plan, each employee who has completed one year's service is given \$500 free insurance. This amount increases at the rate of \$250 a year for four years, accruing to \$1,500. This plan is to be modified. The former policy enabled the holder to name as beneficiary husband or wife, child or parent or other dependent relative. The new policy permits the holder to name as beneficiary husband or wife, minor or dependent child or

GROUP LIFE INSURANCE

Deaths Reported for September, 1925

Employee	Died	Beneficiary
<i>Schenectady</i>		
Maryan Sobieski	Aug. 31	Wife
Austin R. Dodge	Aug. 29	Wife
George H. Putman	Sept. 7	Wife
Michael J. O'Brien	Sept. 11	Wife
<i>River Works</i>		
Thomas Connelly	May 31	Estate
Alfred S. Harding	Aug. 7	Wife
Just M. Ustrup	Aug. 29	Wife
Edwin Nicholl	Sept. 6	Wife
Andrus Madigan	Sept. 19	Wife
<i>W. Lynn Works</i>		
David Dempsey	Sept. 1	Wife
<i>Pittsfield</i>		
John Mullen	May 27	Estate
Geo. A. Iverson	Sept. 2	Wife
<i>Fort Wayne</i>		
Augusta M. Thieme	Sept. 4	Mother
<i>Erie</i>		
Edw. J. Steinmiller	Aug. 19	Wife
Willis B. Skinner	Aug. 24	Wife
Gertrude T. Ellsworth	Sept. 1	Children
<i>Bridgeport</i>		
John S. Borisas	Sept. 8	Wife
<i>New Kensington</i>		
Mike Barkasi	Sept. 3	Mother
Total—18 Deaths		Paid \$22,300.00

children, dependent parent, or if there be none of these, other dependent relative.

In addition to the revised Free Group Insurance, employees with one or more years' service and who are less than seventy years of age (women sixty years), are offered additional insurance on the following terms:

If annual earnings are:	Insurance obtainable	Monthly cost
\$1,200 or less	\$ 500	\$.30
\$1,201 to \$1,800	\$1,000	\$.75
\$1,801 to \$4,000	\$2,000	\$1.70

Renewable Term Insurance is issued for one year at a time and the rates as named above are subject to yearly review and possible change. The great merit of this new policy lies in the fact that it provides immediate protection for a man's dependents at low cost. The General Electric Company guarantees the above rates for one year, and it is thought that it will not be necessary to revise the rates, as quoted above, at least not for a number of years. Further rates, whether more or less than the above figures, will be governed by experience.

For convenience of payment of additional insurance, deductions will be made, according to specified rate, from employee's pay. The only thing required, in addition to one year's completed service, is that the employee be actively at work. All that employees who wish additional insurance need do is to sign a simple application card which authorizes the Company to make the payroll deduction. This additional insurance clause will become effective as soon as seventy-five percent of eligible employees

in any main unit such as a factory or large department, apply for it.

In the additional insurance policy, the employee may name any one as beneficiary. In case of permanent or total disability, the participating employee, under sixty, will receive the amount of additional insurance in monthly cash installments, payment to begin six months after disability.

Another attractive feature of this new insurance policy is that it is convertible, without physical examination, to standard forms of policies issued by the Insurance Company at rates determined by the applicant's age. If the employee leaves the service of the General Electric Company, he may convert the entire amount of his insurance, both additional and free, to standard policies.

Further provision is made for employees to buy still other protection on an advantageous basis. This is fully explained in the Salary Allotment Plan, a copy of which may be had on request. Still another provision makes it possible for new employees, who have not served a year with the General Electric Company, to take out additional insurance under the allotment plan.

Additional group life insurance and free life insurance combined, afford General Electric employees a favorable opportunity to secure adequate protection for those dependent upon their earnings. The cost is low, the means of application simple, the hazards of medical examination eliminated or greatly reduced, and the method of payment convenient. It is hoped that this new policy will find ready approval and acceptance.

A Brazilian Cop's Conception of General Electric

"General Electric" is a pretty well known term because of the extent of the Company's operations throughout the world. However, it remained for a chauffeur driving one of the Company cars in far-off Brazil, to momentarily transform the Company into a personage of militaristic mien. And he nearly got away with it! We are indebted to one of our employees for the following clipping from the *Camden Post Telegram*:

"GEN. ELECTRIC'S CAR"

HAD OFFICIAL SOUND

(By United Press)

A sentinel before the Presidential Palace noted that a big foreign car was parking there, contrary to regulations.

Flourishing his bayonet, he demanded that the chauffeur move on. The chauffeur replied that the car was the General Electric's.

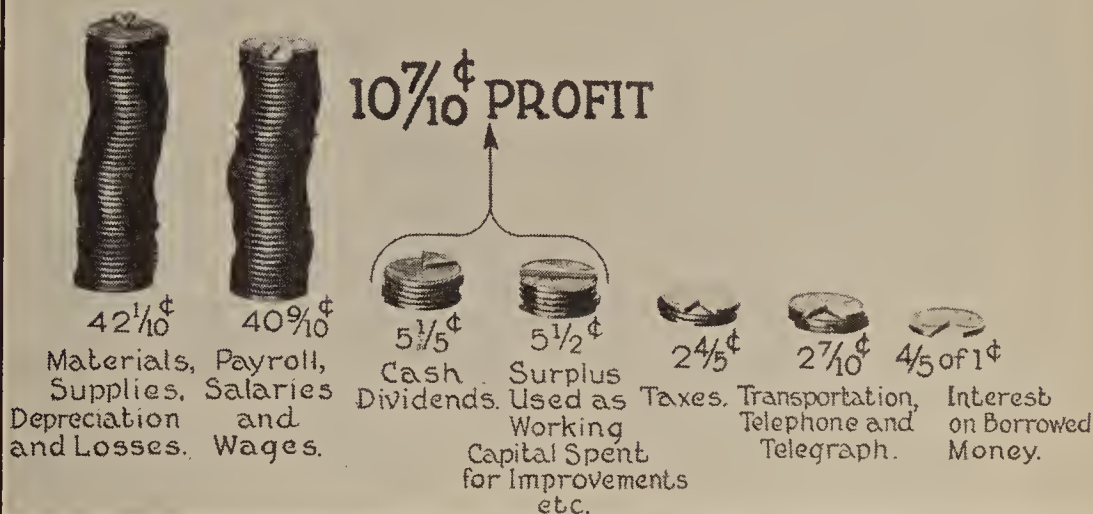
"Ah, the general. You may remain," said the sentinel resuming his march.

A sargeant came by and wanted an explanation.

"It's Gen. Electric's car," stammered the sentry. "Gen. Electric of the French Mission."

But the commanding officer put the innocent sentry straight—and the American company's car parks no more before the palace, general or no general.

WHERE THE G-E MONEY GOES HOW EACH AVERAGE DOLLAR WAS SPENT IN FIVE YEARS 1920-1924 INCLUSIVE



Twenty-Nine Local People Receive Awards on Suggestions

Changes Made in Personnel of Local Suggestions Committee

THE following awards were made by the committee during the period of August 22nd to October 17th:

Wayne C. Watt, an award of \$25 on a suggestion to use special tables for handling and inspecting wire in Building 6-3. This suggestion saves handling the wire several times during inspection with a resulting saving of considerable time. Mr. Watt, whose picture appears on the next page, is chief inspector of wire in Building 6-3.

L. A. Erickson, an award of \$20 on a suggestion that washers used in packing small motors be returned for re-use. This procedure was followed out for some time until the use of these washers was discontinued due to the development of a new idea in packing advanced by Mr. Erickson, on which he received the largest award made by the local committee. Mr. Erickson's picture appeared in the March issue of the *WORKS NEWS* along with an account of such award.

Miss Catherine Wise, three awards amounting to \$20 on three suggestions. Miss Wise is leading operator in Mr. Snyder's Department, Building 19-4. Her suggestions relate to the making of a new tool to hold I-14 meter potential lead clips for soldering; the use of a rubber stamp for marking ampere rating on magnets, and the use of a different insulation washer on IJ6 relay coils. Miss Wise is to be congratulated on receiving three awards in one month.

J. F. Workman, two awards amounting to \$15 on the combining of two operations in testing compound wound coils in Build-

ing 4-5, and on permanently fastening counterweights on sticker leads to keep them from falling off. Mr. Workman is a tester in Building 4-5, and his idea of hooking up two sets of apparatus to combine two tests save some time in handling coils.

C. Dixon, foreman of the Meter Plating Department, Building 19-4, an award of \$10 on a change in making out certain piecework slips. This suggestion results in a saving in clerical work.

Wehler W. Porsch, an award of \$10 on a suggestion on welding a partition in bench drawers to hold drill blocks. Mr. Porsch, who works in the Tool Making Department, Building 26-5, conceived this idea for keeping the drill blocks in the regular bench drawers so the drills could not easily be misplaced or lost.

The following were given awards of five dollars each on suggestions listed below:

John S. Occleston, Building 19-B, on hoist for raising screens on elevators in Building 17.

Clair Alcott, Building 17-3, on a method of fastening worm gear driving capstan to shaft on No. 2 1/2 American Wire Insulating Machines in Building 17-3.

H. B. Underwood, Building 17-4, on a guard for gears on drill press No. 608 located in Building 2-3.

Russel Ray, Building 2-1, a new design foot operated brake for wire re-spooling devices in Building 2-1.

Fred C. Weimer, Building 26-5, on a

guard for grinder No. 5688 located in Building 26-5, Tool Making Department.

Simon Grady, Building 19-B, regarding posting signs on first floors at entrance to elevators, giving time of elevator service.

Christ D. Schueman, Building 17-1, on spring for holding felt uniformly in journal of car lighting generators and a block for holding field lead to frame of type ER car lighters.

Harold A. Hart, Building 4-4, on brake for conveyor into stock room for returning containers in Building 4-4.

Chester E. Langley, Building 19-5, on placing steel washers under lead screws on phonograph motors made in Meter Department.

D. P. Delagrange, Building 27, on building steel rolls for holding WSO 3526 tanks in Building 27.

Clarence Favourite, Building 8-1, on burlap cover for rack for paraffining wood for transformers in Building 7-1.

Francis E. Parker, Building 6-1, on moving one of the clocks to the south end of Building 6-1.

Harvey Fisher, Building 26-B, providing crane in east end of Building 26-B for handling iron.

Herbert C. Wiegman, Building 26-5, changing controller on crane in Schafenacker's Department, Building 26-5, north bay.

L. Duke, Building 26-4, on new style stock carrier for use on machines No. 6646 and No. 11627, located in Building 26-4.

Carl S. Campbell, Building 19-4, on special tips for soldering irons used in Meter Winding Department, Building 19-4.

H. V. Atkins, Building 3-3, on chang-



WAYNE C. WATT
Who Received \$25.00 Award

ing routine on assembly order FW-284, in Fractional Horsepower Motor Department.

Geo. M. Clouse, Building 8-1, on special drain pipe for filter press pans in oil house in Building 7-B.

Dorris D. Proxmire, Building 19-5, on use of closed end clip on thermostatic strip on G8 demand meters.

O. E. Goff, Building 4-4, on fixing conveyor in Building 4-4 to keep boxes from jumping off.

C. R. Hudson, Building 6-2, on packing phonograph discs in corrugated cylinder.

L. J. Starr, Building 26-2, eliminating

clips on instruction books on certain transformers.

Robert Hermely, Building 26-4, on bushings for arbors for Barbor Colman hobbing machines in Meter Department, Building 26-4.

Changes in Membership of Suggestion Committee

DURING the first part of September the membership of the Suggestion Committee was changed by the resignation of Max Holz, chairman, and E. J. Kim, secretary, and with the appointment of three new members, J. L. Bireley, R. J. Bangert, W. F. Frisch and a new secretary, J. J. Shelly. The committee now consists of N. T. Kelso, chairman, and Messrs. J. J. Kline, W. L. Hockett, J. L. Bireley, R. J. Bangert, W. F. Frisch, and J. J. Shelly, secretary. This enlargement of the committee from five to seven members gives more departments representation and will aid in a thorough consideration of all suggestions.

A generation ago it would have been supposed that electrical development for the use of electrical energy was of little concern to the farmer, but the last decade has seen many changes in the farm house and in farm work. Farmers in many sections are vitally concerned in the development of high tension lines and proper transmission of electrical current for rural uses. It is probable that we are yet in infancy in the use of electricity according to L. G. Tabor, master of the National Grange.

AWARDS FOR SUGGESTIONS IN VARIOUS GENERAL ELECTRIC WORKS Six Months Ending June 30, 1925, Compared With Corresponding Period 1924

		Schenectady	Lynn River	West Lynn	Pittsfield	Erie	Fort Wayne	Bloomfield	Bridgeport	Philadelphia	Baltimore	Edison Lamp	Total
Average number employees	1925	18,430	8,160	2,845	6,330	3,925	4,310	1,745	1,960	610	1,015	4,700	54,030
	1924	20,316	8,207	2,785	6,782	4,816	4,617	1,737	2,091	687	1,288	4,862	58,188
Suggestions reviewed	1925	2,034	778	258	742	792	589	58	166	71	161	91	5,740
	1924	2,531	551	403	473	795	373	106	161	93	183	414	6,083
Per cent of average employees	1925	11.0	9.5	9.1	11.7	20.2	13.7	3.3	8.5	11.6	15.9	1.9	10.6
	1924	12.4	6.7	14.5	7.5	16.5	8.1	6.1	7.7	15.8	14.2	8.5	10.5
Suggestions adopted	1925	519	339	143	203	295	82	15	39	32	26	35	1,728
	1924	745	140	123	113	175	47	22	47	33	31	71	1,547
Per cent of suggestions adopted	1925	25.5	43.6	55.4	27.4	37.2	13.9	25.9	23.5	45.1	16.1	38.5	30.1
	1924	29.4	25.4	30.6	23.9	22.0	12.6	20.8	29.2	35.5	16.9	17.1	25.4
Lowest award	1925	\$ 5	\$ 5	\$ 1	\$ 5	\$ 5	\$ 5	\$ 5	\$ 3	\$ 2	\$ 5	\$ 1	\$ 1
	1924	5	5	5	5	1	5	2.50	5	5	5	1	1
Highest award	1925	\$500	\$130	\$ 45	\$205	\$200	\$200	\$ 30	\$ 50	\$ 15	\$150	\$ 10	\$500
	1924	300	100	30	150	400	75	80	100	15	25	100	400
Total amount of awards	1925	\$8,655	\$2,720	\$449	\$1,770	\$1,996	\$980	\$ 85	\$473	\$102	\$280	\$141	\$17,651
	1924	10,575	1,255	870	1,675	2,403	430	170	563	112	225	593	18,871

*Bloomfield—These figures do not include II adopted suggestions from foremen, who were not entitled to awards.

Among Our Absent Employees

Nicholas Roth, of the Pattern Shop, Building 12-1, is still confined to his home at 1706 West Main street, following an operation for appendicitis. Mr. Roth's recovery is not as speedy as was at first anticipated, and the latest report from his home is that he is planning on returning to the hospital for another minor operation. We hope that his stay at the hospital will not be long and that he will soon be strong enough to return and take up his duties again.

Mrs. Ella Shovlin of the Transformer Department, Building 26-3, has been removed to her home at 1238 Ewing street, following a serious operation. This is the second operation she has had to undergo in the past year, and although her condition was serious for some time, she is now steadily improving and hopes to be able to return to work in a short time.

William Zuercher, an employee in the Small Motor Department, Building 4-5, is reported convalescing from an operation for gall bladder trouble which he underwent recently. He is now staying at 1063 Madison street, but expects to return to work in a few weeks.

Miss Agnes Ryan, employed in the Meter Department, Building 19-4, is now at the home of her parents near Monroeville, recovering from an operation. The latest word from her home is that she is coming along fine and hoping to return to work in a short time. This is fine news, Agnes, for we are all anxious to have you return.

Friends of Miss Helen Welch, stenographer in the Building and Maintenance Department, will be interested to learn that she is at her home, 2708 South Hoagland avenue, steadily improving from an operation for appendicitis which she submitted to recently. Helen has been away from her duties for several months suffering from nervous trouble, but the doctors are quite sure that after she recovers from this ordeal she will be in tip-top shape to return to work. We are surely glad to hear this for Helen's presence has been greatly missed around the office.

Mrs. Miranda Floyd, residing at 1406 Wells street, is confined to her home recovering from a very serious operation. Her condition was considered critical for some time and all her friends were very much concerned about her, but she now reports that she is getting along fine, so we can be sure that she will be back in our midst in a short time.

Miss Grace Resler, clerk in the Meter Department, Building 19-5, is at the home of her parents near Andres, Ind., recovering from an operation for appendicitis. Grace was absent for some time before the doctors were able to determine just what was causing her illness, and she was in a very serious condition, but the latest word from her is that she is coming along fine and as soon as she feels a little stronger will return to her work.

Radio Club Announces a Semi-Monthly Schedule

Monthly Business Meeting to Be Held in Works Club Rooms; Special Meeting Monthly at Mem- bers' Homes

THE G-E Radio Club's initial meeting of the season held on October 13th, indicates that there will be some well worth-while meetings this year. One special meeting each month to be held at some member's home "radio laboratory," promises to provide a great deal of additional interest to the routine activities of the club.

At the initial meeting, new officers for the club were elected, the regular election having been postponed from the final meeting of last spring. H. H. Clayton, of our Developmental Laboratory here at the G-E, heads the club as president for the ensuing year. James Merriweather, vice-president; George Graue, secretary-treasurer, and Paul Moore, assistant secretary-treasurer, are the other newly-elected officers of the club. The new president at once appointed the chairmen of standing committees as follows: E. R. Coolidge, membership; B. H. Rohrbaugh, program. Henry Schnurr, foreman in the Fractional Horsepower Motor Department, Building 4-3, is the G-E representative on the Membership Committee and will be delighted to take applications for membership from all interested G-E employees. Membership applications should be accompanied by the dues, which are \$1.00 per year. "Heinie" believes all local G-E radio enthusiasts should be active paid members of the club.

B. H. Rohrbaugh, as chairman of the Program Committee, promises interesting meetings this season for our radio fans. The regular monthly meetings scheduled to be held in Building 16-2 on the second Tuesday in each month will be combined business, technical and social sessions. The innovation of the in-between meetings, one each month, to be held at the homes of the various members of the club will be in the nature of special set demonstrations and tests, with the idea of advancing the art of home construction of sets, and study of the peculiar local conditions affecting radio reception. These meetings should prove most valuable and interesting to all members of the club.

The G-E Radio Club will actively co-operate with the recently organized Radio Broadcast Listeners' Association which has been formed in our city. It is the purpose of this association to secure a paid expert to study local interference affecting radio reception and take definite action for its elimination. The general outlook is that organized action on the part of G-E and other radio enthusiasts of the city will result in decided improved conditions as to broadcast reception here in Fort Wayne, before the winter season is far under way.

Four injuries have resulted already this year from men stepping on nails. Do you always bend nails down before throwing boards away?

G-E Squares Hold Annual Banquet and Elect New Officers

THE G-E Squares held their annual banquet in Building 16-2, October 6th. About thirty-five members and several new student engineers were present. An orchestra composed of Wahrenburg at the piano, Townsend on the banjo, Eitman on the violin, and Hartigan on the saxophone, rendered several very welcome selections. President E. J. Thomas acted as toastmaster. Short talks were given by D. O. Ferguson and A. A. Ralston. They each stressed the value of the Squares organization to the new college men as they come into the plant.

The big treat of the evening was an address by P. C. Morganthaler, Managing Engineer of the Meter Department. Mr. Morganthaler gave a very interesting and instructive talk on his trip to Europe, giving an idea of the industrial and living conditions in some of the larger European countries.

After the banquet the semi-annual election of officers was held. D. O. Ferguson, Ohio State '23, was elected president; R. E. Coates, University of Wisconsin '24, vice-president, and H. R. Cass, University of Minnesota '24, secretary-treasurer.

President Thomas opened the business meeting, and called upon the chairmen of the various committees for their final reports. At the conclusion of the reports the retiring president thanked the club and his committee members for their whole-hearted co-operation during the past six months and extended his wishes for success to the incoming officers.

The newly elected president, D. O. Ferguson, gave a short but very sound talk, thanking the members for the honor conferred upon him, and promising to do his best for the club in the coming six months.

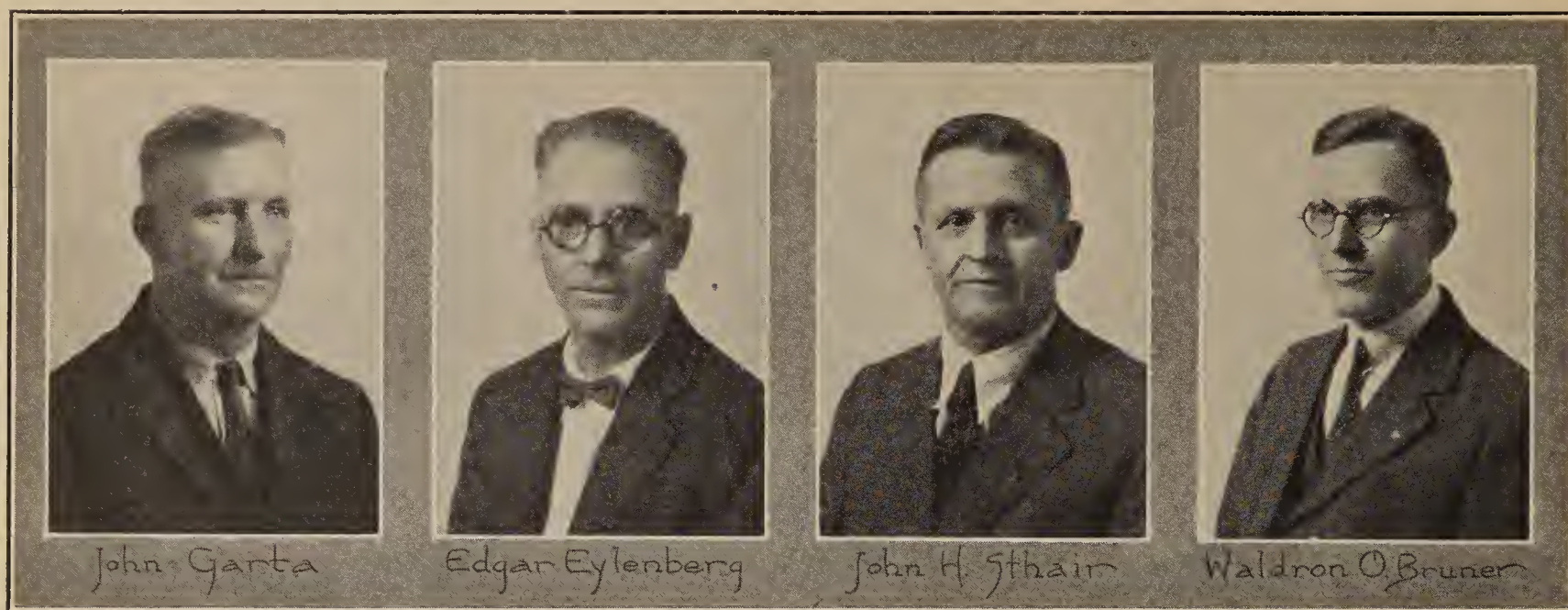
A special meeting of the new committees was held Monday noon, October 19th. At this time President Ferguson outlined the work of the club. A weiner-bake, to take place in the very near future, and a dance were the prominent topics of discussion.

Following is the list of committees for this season: Social Committee—Helge Hoglund, chairman; F. A. Arnold, and T. F. Volkmer. Athletic Committee—E. W. Doerr, chairman; S. C. Starr, and O. R. Griffith. Membership Committee—E. L. Misegades, chairman; E. J. Thomas, and Frank Lisman.

Some new arrivals on the Student Course are Carl Ellis, University of Minnesota; Richard Hartigan, Kansas State, and Harry Dupuis, University of Wisconsin.

Helge Hoglund and Wayne Morrill attended the Reserve Officers' Training Camp at Fort Benjamin Harrison from October 5th to 17th.

"Bob" Whitaker of the Building and Maintenance Department, spent the week of October 17th to 26th in Marshall, Michigan, and at the Illinois-Michigan game.



NEW QUARTER CENTURY CLUB MEMBERS

Four New Members Join Quarter Century Club

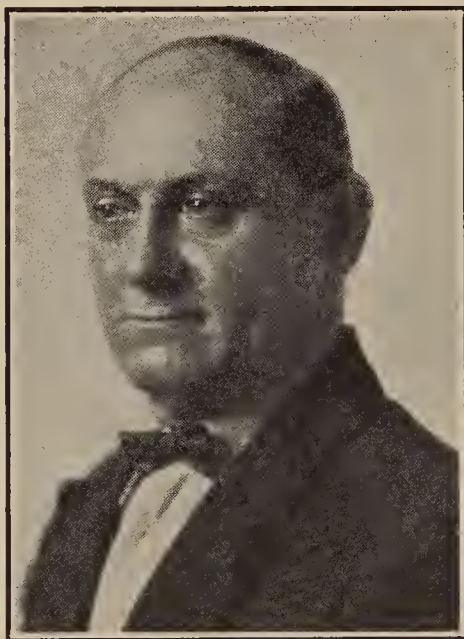
The G-E Quarter Century Club has recently elected four new members who have qualified by completing twenty-five years' continuous service here at the G-E. They are: John H. Sthair, of Building 4-2; John Garta, of Building 26-1; Waldron O. Bruner, of Building 19-2, and Edgar Eyllenberg, of Building 26-5.

John H. Sthair was born October 16, 1870, and entered the employ of our company on September 6, 1900, in the Arc Lamp Department, working under Foreman John J. Bauer. Mr. Sthair served in various capacities in this department, where he remained for a number of years; however, he was later transferred to the Fractional Horsepower Motor Department, where he has served in various capacities, the last several years working on AC stators in Building 4-2.

John Garta was born January 3, 1875, and entered the service of the Company October 8, 1900, in the Transformer Department, where he worked under Foreman C. S. Rehner. He has served in practically all sections of the Transformer Department and for the past several years has been foreman of the Small Power Transformer Assembly located in Building 26-1.

Waldron O. Bruner was born October 21, 1882, and entered the service of the G-E October 16, 1900. His first work was in the Mica Department, but he was later transferred to the Transformer Department under Foreman C. S. Rehner, where he served for a number of years. Finally he was transferred to the Field Winding Department and when that department moved to new quarters in Building 19-2, he went along and is still employed on the field coil work.

Edgar Eyllenberg was born September 11, 1882, and commenced work here on October 29, 1900, under Foreman John J. Bauer, working on arc lamps. He was



GEORGE SCHACHER

Mr. Schacher joined the Quarter Century Club in September but as he was on vacation we were unable to get his photograph for publication last month.

later transferred to the Meter Department, where for a time he wound meter coils. He has served in various capacities in the Meter Department and for some time past has been assembling and inspecting thermostats in Building 26-5.

Richard Engelking, a member of the Quarter Century Club, has been ill and confined to his home for the past ten days. At the time of going to press it was reported that he is slightly improved and we hope that he will soon recover.

War killed 36,000 persons in one year, while 73,000 were killed through accidents last year. Are you doing all you can to prevent these accidents?

Rings are all right for evenings when you go calling but they have no place on the persons that is working around machinery or testing apparatus.

Three Apprentices Enrolled During Past Month

In the month of October three additional apprentices were enrolled on the G-E Apprentice Courses here at our Works. They are: Paul Knapp and Howard M. Lott, who are taking up the Machinist and Toolmakers' Course and Paul Campbell, who has started work on the Electrical Tester Course. All of these boys received their preliminary training in the public and high schools of Fort Wayne; however, only Howard Lott is really a native Fort Wayne boy.

Paul Knapp was born in Woodburn, Indiana, but he attended the Harmar grade school and followed this with two years at Central High School before coming here October 19th to start work on the Machinist and Toolmakers' Course.

Howard Lott, born here in our city, attended the Jefferson grade school and completed two and one-half years' work at the Central High School before taking up work on the Machinist and Toolmakers' Course on October 13th.

Paul Campbell was born in Auburn, Indiana, but attended the James Smart and Hanna grade schools and graduated from the Fort Wayne Central High School with the class of 1925. He took up the work on the Electrical Testers' Course on October 19th.

More than 2,700 Novalux street lighting units are to be supplied by the General Electric Company for lighting the residential streets of Indianapolis. In addition, there will be 1,300 units for business streets and 1,100 for boulevards.

Rugged, quick-acting electric motors which start and stop four hundred times in a work day of nine hours have been built by the General Electric Company for a Detroit automobile concern, to drive a conveyor used for assembling the cars.

Pittsburgh Railways Company Wins Coffin Award

President Thompson Took Company Out of Receivership and Taking Public Into Confidence Has Made Enviably Record

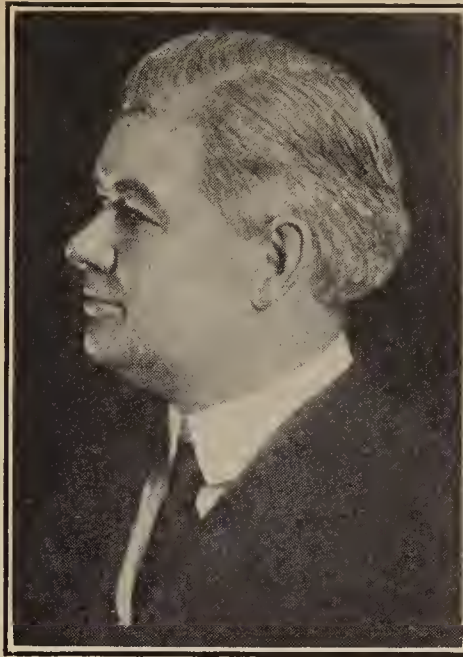
THE Pittsburgh Railways Company, which operates street cars in and about Pittsburgh, Pa., has been awarded the Charles A. Coffin medal and prize for 1925. This award, announced publicly at the American Electric Railway Association convention in Atlantic City early in October, consists of a gold medal, a certificate of award and \$1,000 in cash. This medal is given annually by the Charles A. Coffin Foundation, established in December, 1922, by the General Electric Company, to the electric railway which has excelled in outstanding accomplishments during the year.

Scarcely a year has passed since this company emerged from receivership. When Arthur W. Thompson, president of the road, took it out of receivership on February 1, 1924, he announced a policy of playing with the public and expecting the public to play with him in the conduct of the road. He started in to make good on his policy by buying many new cars, reducing fares where possible, rerouting cars where it was deemed to the advantage of the rider, and telling the public about this road in every conceivable kind of advertising. The public quickly responded by reducing the road's taxes, including heavy paving charges, granting fares which assured a profit, abolishing downtown motor parking, and otherwise co-operating to the fullest extent of its ability.

Particular attention is paid to the suggestions and complaints of individuals. Employees and riders are invited to make suggestions for improving service. During the last year more than 33,000 suggestions were made by employees. A considerable number of them were put into force and the persons who made the suggestions were paid for their trouble.

A Traction Conference Board, composed of both citizens and traction officials, has been organized to help run the property, thus tying in the public directly with the management.

The Coffin Award Plan now is in its third year. The first year the award was won by the Chicago, North Shore and Milwaukee Railroad Company, and last year it was won by the Northern Texas Traction Company, Fort Worth, Texas. Competition for the award this year was keen, thirteen companies being represented in the finals. They ranged from very small properties to some of the largest in the country, the size of the property being of no consequence. The award is made by a special committee drawn from the American Electric Railway Association, the General Electric Company having nothing to do with the award, except donating the medal and the cash prize. The cash prize goes to whatever form of employees' welfare fund is in operation in the winning company.



PRES. ARTHUR W. THOMPSON
of Pittsburgh Railways Company

First Test Association Magazine Issued November 1st

Will Contain Current News of Test Activities

The first issue of THE TEST BULLETIN, a magazine to be published by the recently organized General Electric Test Alumni Association, was issued November 1st.

The G-E Test Alumni Association was organized June 12, 1925, on which date the first meeting was held and following officers elected:

President, F. W. Peters; vice-presidents, E. R. Anderson, N. J. Darling, R. E. Doherty, and secretary-treasurer, John Klenke. The purpose of the organization is to foster a spirit of comradeship between the members and to keep them informed upon the activities of fellow members.

THE TEST BULLETIN, which will be published quarterly, will contain current news of test men in the General Electric Company. It is intended to perpetuate the spirit of the Test Association—keep its readers informed upon TEST activities, and foster the spirit of friendship among all members of the organization.

There will be no dues nor assessments connected with the membership in this association. Membership is not limited to members of the Testing Department of the Schenectady Works, but extends to all of the General Electric Testing Departments where the qualifications for membership are met.

The mailing list for this new publication is being made up as fast as possible but will not be nearly complete by the time the first edition is printed. For this reason it is requested that members of the association who do not receive copies, forward their names and addresses to the secretary of the association, care of the General Electric Company, Schenectady, N. Y.

Decatur Works Section

Gecode Girls Have Dinner and Elect New Officers

Tuesday evening, October 20, 1925, the Gecode Club girls met at the Murray Hotel for a delicious 7:00 o'clock dinner. The dinner was carried out in a Hallowe'en color scheme, with American Beauty roses given as favors. The dinner was served in three courses.

Fruit Cocktail

Fried Chicken Mashed Potatoes
Creamed Corn Combination Salad
Ice Cream and Cake

Following the dinner a short business session with election of officers was held. The new officers for the coming year are Fern Passwater, president; Esther McIntosh, vice-president, and Daisie Girod, secretary-treasurer. Those who attended the banquet were: Bernita Tanvas, Esther McIntosh, Dora Miller, Verena Miller, Fern Passwater, Margaret Myers, Alma Andrews, Frances Gault, Frances Girod, Ethel Tumbleson, Gladys Reffey, Alvena Lindemann and Daisie Girod.

Weddings

There are three weddings to report this month, in which employees of the Decatur Plant are especially interested. Emma Girod and Lynn Bebout surprised their many friends by announcing that they were married September 13, 1924, at Coldwater, Michigan.

Margaret McKean and Menno Roth were married at Monroe, Indiana, September 26, 1925.

Velma McGill and Frank Brentlinger were married October 10, 1925.

The WORKS NEWS takes pleasure in extending congratulations and best wishes of all their co-workers for a long and happy married life to each of these newly married couples.

Eli Andrews, of the Casting Machine Department, recently suffered an injury to the right ring finger. He is recovering nicely and expects to be back with us soon.

Miss Agnes Huston is confined to her home with typhoid fever. We sincerely hope her recovery may be a very speedy one.

Miss "Billy" Hendricks, formerly of the Decatur office force, has been transferred to the Receiving and Stock Department at the Fort Wayne Works.

Miss Verena Miller spent the week-end of October 16th and 19th, visiting friends at Gary, Indiana.

Cash Lutz, at the time of going to press, holds the record among the sportsmen of the Decatur Plant. He lately bagged a total of twelve wild ducks in a single day's hunt.

G-E JUNIORS' PAGE

Dear G-E Juniors:—

The postman brought me a large number of letters last month and I was so pleased to hear from so many of you. But I feel sure that all of those that solved the puzzle did not send in their answers. The correct answer was, "He never improves who cannot see his own faults."

The prize-winners were Kenneth Doell, whose father works in Building 19-3; Mary Evangeline Klingman, daughter of L. E. Klingman, of Building 19-5; Hilda Bultemeier, daughter of E. Bultemeier, of Building 4-2; Martha Gebert, who is a sister of Geo. Sarasizen, of Building 4-1; and Marie Gehle, whose sister Hilda works in Building 4-4.

Correct answers also came from Robert Gaskill, whose father works here at the G-E; Crescence Gardt, whose brother works in Building 10-3; Evelyn Isenberg, daughter of Mrs. Isenberg, of Building 19-4; Lillian Scheimann, whose father works in Building 20-2; Geraldine Reiber, daughter, of J. Reiber, of Building 17-4; and Junior Frank Elder, whose father works here. The reason these boys and girls did not get prizes is that we are sending prizes for only the first five correct answers that we receive and their letters came in later. However, they were all given credit in the competition for the annual prizes.

To make sure that we would make no mistakes, and that we would have a complete list of those sending in correct answers to the various puzzles I have made out a card for each Junior that has sent me a letter since last June. On this card I put the Junior's name and address and the names of the months up to next June. Whenever a Junior sends in a correct answer, I put an "x" after that month, and whenever the correct answer is among the first five that I receive from Fort Wayne or among the first two that I get from Decatur, which means a prize-winner, I

put a red dot on the card. So then, when a boy or girl has won three of the smaller prizes there will be three red dots on the card and this will tell me not to send any more of the smaller prizes to that Junior. But I shall put an "x" after every month that a correct answer is sent in and the year's prizes will be sent to the boy and the girl not over twelve years of age having the most "x's" (they stand for correct answers) on their cards.

We didn't hear from any of the Decatur Works Juniors last month. What's the trouble? We hope there are a lot of letters from Decatur boys and girls this month.



KODAK VIEW OF NIAGARA FALLS
Vacation Picture by Geraldine Reiber

The picture of the three boys on the white horse was sent in by Junior Frank Elder. He is the boy in the center, his brother Glenn is in front of him and his brother Donald in back. This picture was taken during the summer while the boys were visiting relatives in the country. We are sure the boys were having a jolly good time. Wouldn't all of you enjoy a horseback ride? These boys live at 829 Charlotte avenue. The picture of Niagara Falls was sent in by Geraldine Reiber and was taken this summer when she spent a week there. Geraldine lives at 918 State boulevard.

I believe you will have no trouble solv-



VACATION PICTURE SENT IN BY
FRANK ELDER, JR.

ing the puzzle this month as it is a rather easy one, but it will take a little time. If you do not get it solved today, try it tomorrow. Be sure to send in the answer after you do get it solved for you will get credit for it on the annual prize contest if the answer is correct even though it may not be among the first five correct answers that we receive.

As soon as you have worked out the puzzle, put the answer on a sheet of paper together with your name, address, and the name of the relative who brings you the G-E News, and mail it to the Editor of G-E Juniors' Page, General Electric Co., Fort Wayne, Ind., or you can have your relative take it to the Works and send it in through the factory mail.

I hope to hear from still a larger number of the G-E Juniors and especially for some letters from Decatur boys and girls.

Sincerely,
EDITOR G-E JUNIORS' PAGE.

Although the telephone is now more or less standardized, its uses vary greatly according to the custom and condition of the country where it is used. In Abyssinia, the message is written out and handed to the operator who shouts the messages into the receiver, no one else being allowed to use the instrument. A goldfish has far more privacy than a phone message in that land.

In Japan, it is sometimes necessary to wait years to get a phone connected by the government and in order to get service more quickly persons are compelled to buy the instrument and phone number from some person already having it.

In Cuba, a widow with a large family is desired as the operator if exchange is located in her home. The use of her children as messengers cuts down the overhead. It is penal offense to call an operator anything but Comrade or Citizeness in Russia. Operators in Germany are not permitted to wear jewelry or bob their hair. In England, the operator says "Your through," meaning that the connection is up and you are ready to begin.



REARRANGE THESE LETTERS TO FIND OUT WHAT IS IN THE BASKET FOR BETTY'S THANKSGIVING DINNER



1. YRELEC
2. TASRO-RKEYUT
3. BREIESRNACR
4. PKNIUPIPME
5. TPOAESTO
6. NROC
7. RPGASE
8. ALNTEHSZU
9. LPSEAP
10. LCETUTE




Girls Department



Miss Carrie Burke Leaves Industrial Service Department

The marriage of Miss Carrie Burke was the occasion for several delightful parties given in her honor. Miss Burke resigned her position in the Industrial Service Department on October 21st, and was married to Howard Wise on October 23rd. They will reside in Pittsburgh, where Mr. Wise is employed by the Westinghouse Electric Company.

The Misses Irene Bruns and Luella Maish entertained in honor of Miss Burke on the evening of October 8th at the home of Miss Bruns at 315 West Williams street. The evening was spent in playing games. Prizes were won by Viola Havert and Luella Bullerman, who in turn presented them to Miss Burke. A dainty luncheon was served at a late hour, after which Miss Burke was presented with a lovely gift from all the girls: Margaret Nash, Irene Fox, Helen Hall, Viola Havert, Luella Bullerman, Marie Blaugh, Marie Grothouse, Lois Miller, Carrie Burke, Irene Bruns and Luella Maish.

On October 21st a number of girls from Building 18-1, entertained for Miss Carrie Burke at a noon luncheon held in the private dining room of our restaurant. The tables were attractively decorated with tall pink candles in crystalline holders and pink and white nut cups. The girls presented Miss Burke a dozen beautiful Maderia napkins. Those present were: Mary Sturdevant, Magdalene Welch, Mary Occleston, Edith Peters, Annette Bauman, Charlotte Hallauer, Hilda Mueller, Florence Lindeman, Dorothy Hormel, Hilda Rastetter, Anne Rastetter, Mrs. Cleora Regenaar, Mrs. Rhodes, Hilda Mayer, Vivian Powell and Viola Haiber.

Miss Grace Phillips Succeeds Miss Carrie Burke

Following the resignation of Miss Carrie Burke, of the Industrial Service Department, Miss Grace Phillips, a stenographer in the Apparatus Production Department, was appointed to take over the work previously assigned to Miss Burke.

Miss Phillips, under the general supervision of Mr. Hockett, head of the Industrial Service Department, will be responsible for the employment, training, placing and up-grading of stenographers, typists and clerks, will keep the M. B. A. records and will attend to all work in connection with Group Insurance certificates, changes in beneficiaries and changes of name. All reports on absence of employees will be

made directly to her and she will assign investigators and keep records, make reports to the foremen, M. B. A. secretaries and the Medical Department. Obviously, Miss Phillips has been assigned to quite responsible work and she is to be congratulated on receiving this appointment.



MISS IRENE WHITEHEAD

Introducing Miss Whitehead

CONTINUING our policy of having connected with the Fort Wayne Works Industrial Service, a young woman who has made a study of the working conditions of women in industry, we have employed for this purpose Miss Irene Whitehead, who, after careful investigation and consideration, we feel has had the requisite groundwork and preliminary experience to qualify her to take this position.

Miss Whitehead will naturally have to personally try out operations, tasks, etc., to get first-hand, intimate knowledge of our work. Managing engineers, general foremen and other executives are, therefore, requested to co-operate with and assist Miss Whitehead in every way possible in the prosecution of her duties which involves posture, fatigue, foot rests, job analysis, manual dexterity, personality and many similar conditions and problems which confront us in our search for greater efficiency.

E. A. BARNES,
General Superintendent.

Surprise Party on Josephine Zimmerman

A very delightful surprise party was held for "Jo" Zimmerman in honor of her birthday, on October 20th, at Mrs. Connett's, where she makes her home, at 1803 Hale avenue. Only about twenty girls were able to be present, but many others sent their best wishes. A gift from the G-E girls was a purse containing two of those elusive coins known as gold pieces.

An especially good time was enjoyed singing, playing games, dancing the Virginia Reel, and talking over things generally. At a rather late hour the big birthday cake decorated with red candies forming the words "HAPPY BIRTHDAY," was brought forth for the guest of honor to cut. It certainly was a good cake, but finer still was the spirit of the occasion which took the girls there.

"Jo" is feeling splendidly and she certainly does look well. She says that she intends to return to work in the very near future, and her old friends will surely be glad to have her back where she belongs.

Those who attended the party from the G-E were: Florence Lindeman, Mary Occleston, Anne Rastetter, Ann McCarthy, Claire Voirol, Dorothy Hormel, LaVera Vail, Mrs. Edith Weberus, Hildegard Hormel, Clara Ankenbruck, Margaret Goshorn, Flora Boerger, Hilda Hoeltje, Mrs. Winifred Hormel, Irene Whitehead, Luella Bullerman, and Mrs. Alice Whitaker.

Farewell Party for Miss Vivian Powell

Miss Vivian Powell, of the Building and Maintenance Department, left the employ of the Company on September 30th to take up work with the Bradstreet Credit Association of this city. Miss Powell was pleasantly surprised with a farewell dinner party on September 29th, held in the private dining room of Building 16-2. Fourteen of her friends gathered after work and surprised her in the office, after which they repaired to the dining room, where a three-course dinner was served. The table was beautifully decorated, the color scheme being carried out in yellow and white. The centerpiece was of garden flowers and each guest's place was marked with a yellow and white place card and favor. Miss Powell was presented a beautiful gold pencil as a remembrance from her friends. Those present were: Hilda and Ann Rastetter, Arta Marshall, Louise Hilger, Cleora

Regenauer, Hilda Mueller, Carrie Burke, Charlotte Hallauer, Annette Bauman, Magdalene Welch, Hilda Mayer, Mary Sturdevant, Alice Jacquay, Florence Lindeman and the honor guest.

Field Department Girls Have Series of Parties

On the evening of October 13th one of a series of parties was given by girls of the Field Department in Building 4-5, the event being a marshmallow bake and weiner roast at Foster Park. The girls present were: Edna Tarmon, Hilda Neeb, Agnes Holman, Emily Nierman, Mary Angel, Kathryn Huber, Kathryn Hepker, Edith Schriener, Hilda Gehle, Donna Magnuson, Paula Schroeder, Vivian Tobias, Mildred Moore, Ulabel Daugherty, Luella Schroeder, Lorinda Beyerlien, Edna Ross, Adela Schroeder, Martha Scherzinger and some out-of town guests, Mary Herron, Ella Schaaf and Gertrude Jennings.

Another social event for the girls of the Field Department was held on October 15th, when these same girls went to the Majestic to see "Applesauce." The affair also was a farewell party for Miss Mary Herron, of Evansville, Indiana, who was visiting at the home of Miss Edna Tarmon.

Girls From Building 26-4 Have Wiener Bake

A number of girls from Building 26-4, enjoyed a weiner bake at the home of Mrs. Cecil Linker, seven miles north of the city on the Leo road, on the evening of October 13th. Various games were played during the course of the evening. Those present were: Dorothy Rebber, Clara Henry, Lucy Clouse, Florence Jackson, Beulah Peffley, Lavon Ely, Margaret Duffy and Cecil Linker.

Elex Hallowe'en Party

On the night of October 26th, a number of happy hearted Elex girls met in front of Building 18 and had a jolly ride in a G-E truck to the home of Fern Burris, at 1237 Winter street, for a masquerade party. This lively bunch of masqueraders had planned to go to the home of Bessie Smith, about eleven miles out in the country, but the weatherman changed their plans. Some of the girls were so cleverly disguised that it was almost impossible to guess their identity, for instance, "Time to Retire," "Red Riding Hood," "Sis Hopkins," "The Fat Man," besides these a crowd of kids and clowns. After playing various games, in which Miss Ellis, Y. W. C. A. Secretary, was the leader, also dancing, singing and playing the piano, a Hallowe'en lunch of weiners and buns, cider and doughnuts, was served. During lunch a number of good selections by radio were enjoyed by the girls. The party broke up about 11 o'clock, each girl feeling that it was an evening well spent.

Weddings

Martin-Hurley

Miss Florence Hurley, of the Meter Assembly Department, was married to Charles Martin, an electrician at this Works, on October 15th. Mr. and Mrs. Martin spent their honeymoon in Kentucky and southern Illinois.

Meyers-Wagoner

Miss Dorothy Wagoner, of the Distribution Department, was married to Harold Meyers, of Fort Wayne, on October 27th, at the Cathedral. On her return to work on November 2nd, Dorothy found her desk attractively decorated and a number of useful gifts from her co-workers.

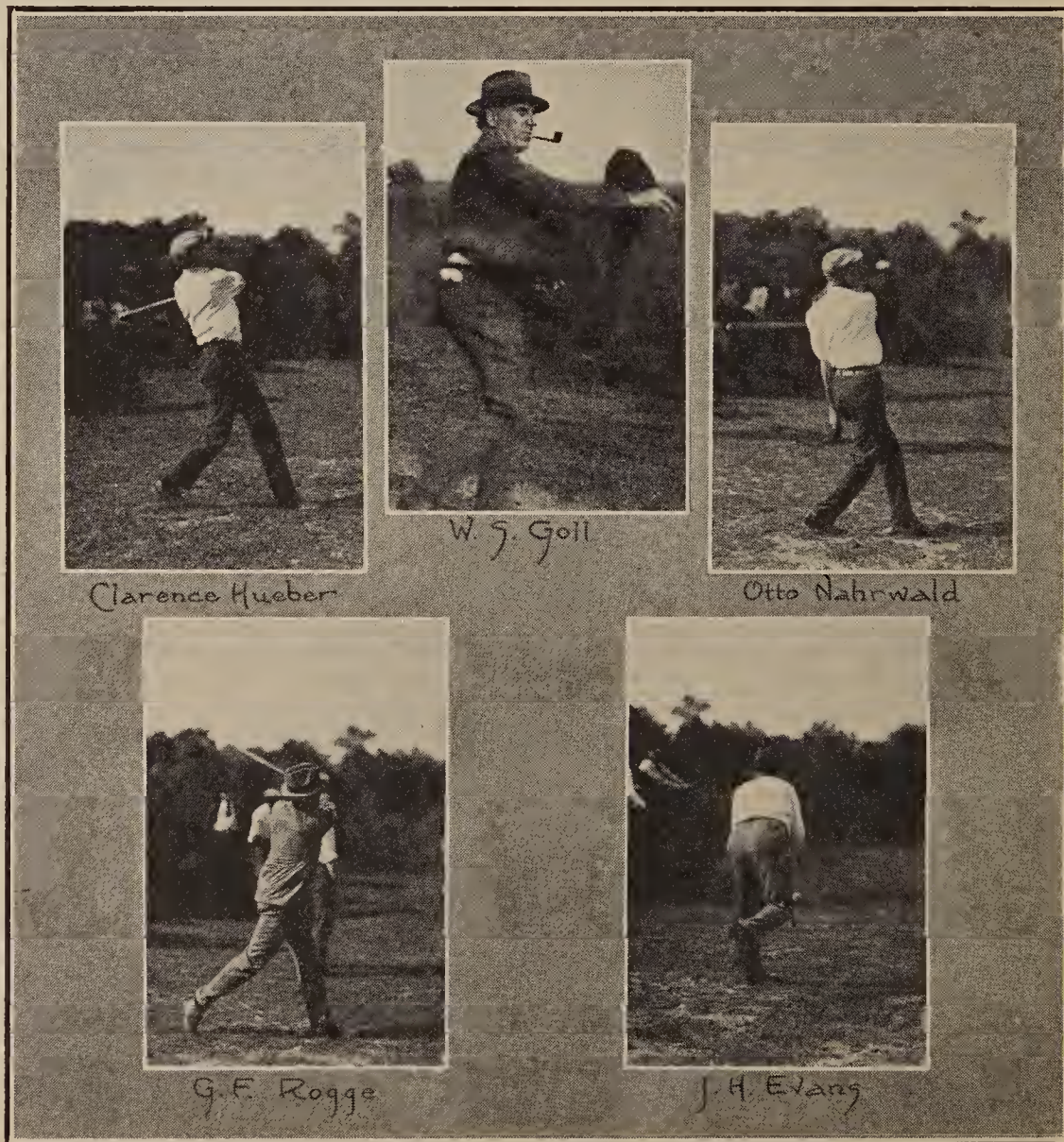
Becker-Whearley

Miss Josephine Whearley, of the Pay Roll Department, was married to August Becker, of Fort Wayne, on October 28th, Agnes Whearley, of the Accounting Department, was her bridesmaid. Mr. and Mrs. Becker will reside on South Fairfield avenue in their new home, which is now nearing completion.

STENOGRAPHERS' COLUMN "BUSINESS DON'TS"

(By Hazel Cochran)

1. Don't quit working as soon as the boss leaves the office. (He is liable to come back unexpectedly.)
2. Don't come in late when the boss is out of town. (He may give you a long distance ring.)
3. Don't expect others to do your work and still receive credit for it yourself.
4. Don't go home early just because the boss does.
5. Don't make a practice of using the office telephone for personal calls.
6. Don't talk about personal matters during business hours. (Save them for your lunch hour.)
7. Don't stay out half of the night and expect to serve your Company the same as if you had had your proper rest.
8. Don't talk about your fellow-workers. (They will find it out.)
9. Don't allow anyone to distract your attention from your business.
10. Don't forget to say "Good Morning" when you come in.



"PLAY BALL" ACTION VIEWS FROM FIREMEN'S PICNIC
TAKEN BY E. J. KIMM

Volunteer Firemen Held Fall Picnic at Zimmerman's Cottage

Leading Executives of the Works Attended as Guests

THE Volunteer Fire Department had one of their old-time outings at Harry Zimmerman's cottage, seven miles north on the St. Joe river, on Saturday, October 3rd. The fifty members of the Fire Department had as their guests at this picnic Messrs. W. S. Goll, J. H. Evans, E. A. Barnes, E. L. Simpson, C. H. Matson, Dr. H. W. Garton and W. J. Hockett of our Fort Wayne Plant; E. W. Lankenau and Frank Braun, of Decatur, and John Stahlhut, chief of our city Fire Department.

Edward Miller, chairman of the Entertainment Committee, assisted by Jim Sivits

and Harry Zimmerman, prepared a good, substantial dinner for the fire fighters and their guests. After dinner horseshoe contests started the athletic events of the day. In these contests Messrs. Evans and Matson carried away the honors, but Will Melching and Dee Hamilton claim some glory in these events. Following the horseshoe contests a game of baseball was staged between chosen teams representing the east and west sides of our plant. Harry Hire was selected as umpire as his avoirdupois would obviate any severe criticism of his decisions. The game was won by the east side with a score of 10 to 3. Captain George Doehla had a corner on the honors, for he was five times at bat, scored five hits and brought in four runs.

Outstanding among the rooters was Chief Paul Grimme for the east side and Dr. Garton, a worthy opponent, from the

west side of Broadway. Messrs. Barnes, Hockett and Goll acted as general referees to correct any serious mistakes that the umpire might make. Jerry Simpson, sliding into first base created some comment, as he did this at a time when there was no obvious reason whatever for this stunt.

A lunch was served after the ball game and various indoor games were indulged in until a late hour in the evening.

Argo Vegalues was very much missed at this event, as unhappily he was attending the American Legion Convention at Omaha.

F. G. Duryee, past and present president of the Northern Industrial and Volunteer Firemen's Association, recently went to Indianapolis to confer with Earl Ferguson, chairman of the Indianapolis Chamber of Commerce in regard to plans for the 1926 convention to be held there this coming summer.

Giant of the Seas Electrically Equipped

(Continued from Page 5)

was made by the General Electric Company.

The motors will be connected in pairs to each of the four propeller shafts. Each pair of motors will have an aggregate weight of 440,000 pounds. Each motor has a capacity of 22,500 horsepower and measures fifteen feet in diameter. The energy which will be delivered to each shaft by the motors will be 45,000 horsepower, or a total on all four shafts of 180,000 horsepower. Under the impetus of this gigantic force, the propeller blades will revolve 317 times a minute.

In addition to the propulsion machinery, the Lexington will be provided with six 750 kilowatt, direct current, auxiliary turbine generator sets, which will furnish direct current for all electrical purposes other than propulsion. Among some of the duties of the auxiliary sets will be the operation of steering gear, anchor windlass, ventilation fans and lighting systems.

West Virginia Wins Battleship Pennant

The U. S. S. West Virginia, sixth of the Navy's electric ships and fourth to be electrically equipped by the General Electric Company, was awarded the battle efficiency pennant for the competitive year ending June 30, 1925. This pennant, the most coveted prize in the Navy, is awarded annually to the battleship having the highest average in both gunnery and engineering.

The West Virginia was commanded during the year by Captain Thomas J. Senn.

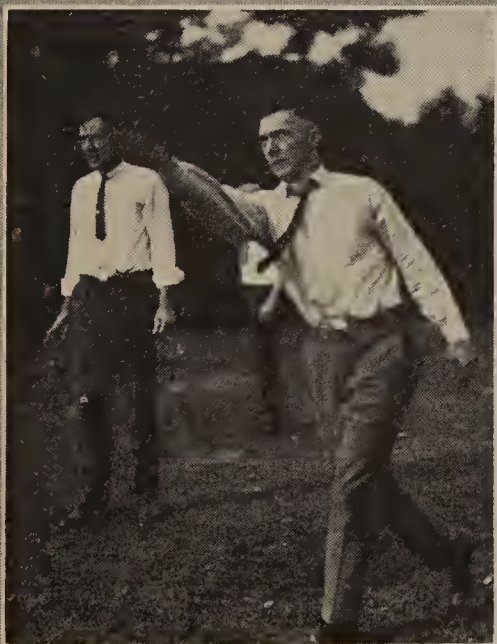
Stop your machine before oiling, wiping or repairing it. If one man employed in the Mechanical Maintenance Department had stopped a machine he was wiping, he would still have a useful little finger. As it is, the first joint of this finger was torn off when the rag became tangled in the moving parts of the machine.



C. H. Matson



W. F. Melching



Dee Hamilton, pitching Will Melching on deck



Clyde Boyce, pitching Phil Weick on deck

THE "FOLLOW THROUGH" OF HORSESHOE EXPERTS AT FIREMEN'S PICNIC

ATHLETICS

G-E A. A.

G-E Wins Championship of Y. M. C. A. Industrial League

By winning all of its games in the second round and defeating Wabash, winners of Section B, the G-E nine won the right to play Dudlo, winners of the first half. In the first game, featured by the pitching and hitting of Wolf, the Green and White disposed of the wiremakers by the score of 10 to 7. In the second game, G-E defeated Dudlo for the league's title by the score of 7 to 4. Wolf also pitched good ball in this game. Kammeyer's hitting was also an outstanding feature.

In a game to determine the title of all Y. M. C. A. leagues, the G-E team was defeated by Pennsylvania, winners of the Railroad League, by the score of 8 to 3. The G-E team completely blew up in the first inning, giving the Railroaders a seven run lead to start. Although both teams played good ball the balance of the game the seven run handicap was too much to overcome and the game ended 8 to 3.

Daly led the regulars in hitting with .574. Enders was second with .435, and Roembke third with .416. The individual averages of the players who finished the season follows:



TROPHY WON BY G-E IN Y. M. C. A. INDUSTRIAL LEAGUE

	A.B.	H.	Ave.
Daly	47	27	.574
Wolf	26	13	.500
Enders	69	30	.435
Roembke	65	27	.416
Glenn	67	24	.358
Kammeyer	59	19	.322
Stahl	46	13	.283
Reynolds	55	15	.273
Walker	54	14	.259
Biedenweg	48	10	.209
Parker	11	1	.091

Bowling More Popular Than Ever This Year

Building 4-3 League—

A two-man league has been organized in Building 4-3, which rolls each Thursday night at the Pastime alleys. An experienced bowler has been paired with a less experienced to form an equally balanced league. The league was organized by Harry Kessler, and Frank Quinn is acting as coach. The new bowlers are showing marked improvement. The standing of the league October 23rd follows:

	Won	Lost	Pct.
Collector Hubs	11	7	310
Springs	10	8	305
Shafts	10	8	305
Fan Hubs	9	9	308
Insulation	9	9	302
Bearings	9	9	299
Brushes	8	10	277
Brush Holders	6	12	295

Frank Quinn is leading the league in individual averages with 187 for 18 games. Schoenherr is second with 169, and Schelper is third with 167. Quinn has high individual score for three games with 599 and Schoenherr leads for single games with 243.

Meter Department League—

The Meter Department Bowling League has just started on its fifth year and should have another successful season. The league today is composed of practically the same persons as the day it started, which certainly speaks well for the league. The Elements, with but two losses, are in the lead, with the Discs following closely.



G-E AMATEUR BASEBALL TEAM, CHAMPIONS Y. M. C. A. INDUSTRIAL LEAGUE

Standing (left to right)—Delagrang, assistant manager; Biedenweg, Roembke, Parker, Humes, coach, Walker, Schroder, Flayler, Bridges, coach. Seated (left to right)—Kammeyer, Enders, Stahl, Daly, Glenn, Wolf, Reynolds, Kiltie.

The standing of the teams October 16th follows:

	Won	Lost	Pct.	Ave.
Elements	16	2	.889	732
Discs	12	6	.667	720
Jewels	11	7	.611	734
Bases	10	8	.556	739
Magnets	10	8	.556	707
Terminals	7	11	.389	710
Registers	7	11	.389	709
Seals	7	11	.389	696
Covers	5	13	.278	716
Pivots	5	13	.278	703

Weick is leading the league in individual averages with 180. V. Rump is second with 173, followed by Ruppel with 167. Dreyer has high individual score with 235 to his credit. Weick's 227 is second and Voorhees' 224 is third.

G-E Girls' League—

The G-E girls are again in the field with a six-club bowling league, which bowls each Tuesday night at the Pastime alleys. Several double century marks have been registered by the girls, among which are Miss Stugusty's 204, and Miss T. Eising's 202. The standing of the teams October 23 follows:

	Won	Lost	Pct.	Ave.
Chevrolet	11	7	.612	365
Overland	10	8	.556	363
Hupmobile	10	8	.556	343
Chrysler	9	9	.500	348
Moon	7	11	.389	345
Dodge	7	11	.389	337

Miss Sarrzin is leading the league in individual averages with 141. Miss Mueller is second with 138 and Miss M. Eising is third with 132. For three games Miss T. Eising has 487 and Miss Sarrzin 474.

Blakely Retains Trophy and Works Horseshoe Championship

John Blakely narrowly emerged winner of the horseshoe league, having a margin of three games over Schlup. Blakely had as his partner Schelper, and Schlup paired off with Joseph. Three rounds were played, the fourth being called off on account of the unseasonable weather. It is planned to get an earlier start next year. Some real horseshoe pitchers have been developed this year and Blakely must look to his honors next season. The standing of the players for the season follows:

Blakely-Schelper	44	10	.815
Schlup-Joseph	41	13	.759
Stute-Anderson	40	14	.741
Huge-Billman	39	15	.723
S. C. McAfee-Wiedemeyer	38	16	.704
Cunningham-Graham	31	23	.574
Lenz-O. Schelper	28	26	.518
Hamilton-Thomas	27	27	.500
Wedler-Walker	27	27	.500
Kessler-R. Mennewisch	26	28	.481
Hossler	25	29	.463
Onstott	23	31	.426
Mutton	22	32	.408
V. Rump	22	32	.408
C. Rump	21	33	.389
Clevenger	15	39	.278
Heinly	15	39	.278
Waldschmidt	15	39	.278
Wagner	14	40	.259

A moment of absent-mindedness—a careless step—a slip—result, a widow and two orphans. Forty per cent of all accidents are caused by falls.

City Industrial League Title Goes to General Electric

The Wayne Tank nine, crippled by injuries to players, was forced to forfeit the decisive game of the championship series, giving G-E the honors for the season. This was the only forfeited game of the entire schedule and the season was a decided success. Interest was maintained to the final game. The final standing of the league follows:

	Won	Lost	Pct.
General Electric	11	4	.734
Wayne Tank	10	5	.666
Western Gas	4	6	.400
International Motors	4	6	.400
Pennsylvania	1	9	.100

"Wid" Williams led the G-E nine in hitting with .500 for the season's games. Watt was second with .400, with the Hamilton brothers tied for third with .366 each. The individual averages of the players follow:

	A.B.	H.	Ave.
Williams	38	19	.500
Watt	50	20	.400
B. Hamilton	52	19	.366
D. Hamilton	52	19	.366
Huth	29	10	.345
Rockhill	38	13	.342
Harwood	19	6	.316
Barney	44	13	.296
Romaine	27	8	.296
Henry	51	14	.275
McKeering	27	7	.259

Ferguson to Manage G-E Basketball Team in Y. M. C. A. League

D. O. Ferguson, an engineer in the Building and Maintenance Section, has been selected to manage this year's Y. M. C. A. basketball team. Mr. Ferguson is well qualified to fill this position, having had considerable basketball experience at Ohio State University. While there is much good material to pick from and the prospects of a winning team are bright, it is necessary that everyone get behind the team and help make it a winner. Wayne Knit, Bowers, and General Electric each have two legs on the trophy, which is a three-year cup and if one of these three win this year it will be their's permanently. Linn Kern, of last year's Decatur team, will make Ferguson a whirlwind forward. With all of last year's team to draw from and several stars of the inter-department league, the team should prove a winner.

Do You Play Chess?

A feeble attempt was made last year, rather late in the season, to organize the chess players of the Plant into a league or at least play a tournament. Either there were not enough players or not enough interested and the attempt failed. This year we are getting an earlier start and all those interested should get in touch with the editor of this section or call Walter Holloway, who works for Chas. Johnson in Building 19-3.

Notes

Johnny Deal's withdrawal from the 4-3 Bowling League is seriously regretted. Johnny experienced great difficulty in keeping an upright position while bowling and usually skidded down the gutter headformost in search of a strike.

Warren Jackson, the smallest man in the league, would make a great bowler some day if he could forget the idea that the pins were trying to get away from him. His great fault is trying to sneak up on the pins and roll while they are not looking.

The Meter Department Bowling League has had four successful seasons and the fifth is well under way. The success of the league is due to the fact that all are interested in its welfare and never miss a night.

A new third baseman for the G-E is in the making. "Joe" Henry, our star third-sacker, came in recently with a broad smile on his face to announce that it was a boy.

It is fortunate that the deciding game of the Wayne Tank-G-E series could not be played. The Tankers suffered considerable misfortune, Holterman was operated on, Stahl returned to school, Thompson was injured and Baker returned to his home in Arkansas.

Moving Picture Programs

The Moving Picture Committee wishes it known that Thursday's programmes will be purely educational. The pictures to be shown will either be travel pictures or industrial pictures. Those who do not care for these pictures will kindly not annoy those who do wish to see them by leaving before the picture is finished. On Tuesday noons a comedy will be shown together with an educational picture.

The bookings for the next few weeks are as follows:

Nov. 10—"Cheese Industry"; "Our Gang in Back Stage."

Nov. 12—"The Great Lakes"; "Making Musical Instruments."

Nov. 17—"The Steel Industry"; Arthur Stone in "Are Blond Men Bashful?"

Nov. 19—"Hawaii"; "Fountain of Time."

Nov. 24—"New York Stock Exchange"; Our Gang in "Boys to Board."

Dec. 1—"Old New England"; Ben Turpin in "Reel Virginian."

Dec. 3—"Indiana Limestone."

Dec. 8—"Lumbering in the North Woods"; Our Gang in "Derby Day."

Dec. 10—"The Story of Gasoline."

Electric motors are doing much for the efficient organization of modern newspaper appliances. They make it possible for one New York City daily to begin the first operation in turning out this paper on the top floor of the building and so on down through, until the printed paper comes out at the bottom, wrapped for mailing, or ready for the news dealers.

Basic Patent for Modern Vacuum Tube Granted to General Electric Company

Dr Irving Langmuir, of G-E Research Laboratory, the Inventor

A BASIC patent for the modern vacuum tube, used extensively in radio, x-ray work and in repeaters used in long distance General Electric Company by the United telephony, has recently been granted the States Patent Office. This tube was invented by Dr. Irving Langmuir, assistant director of the General Electric research laboratory, in 1912, but because of contests the patent was not granted until now.

The tube is characterized by its hard, constant vacuum, by its freedom from visible discharge and other gaseous effects and by its steadiness and reliability in operation. It can be made in large sizes operating with 50,000 volts and upward, as well as in the smaller sizes such as are used in the ordinary home radio receiving sets.

Prior to Dr. Langmuir's invention radio and x-ray tubes were of what is now known as the soft variety, that is they glowed and acted erratically and unreliably except when used on exceedingly low voltages. Dr. Langmuir's invention, by removing this severe voltage restriction, has made possible practical radio as we know it today.

The patent application has had an eventful career. Following his invention of the new tube in 1912, Dr. Langmuir spent months in thoroughly testing the invention. He filed his application in the patent office in Washington in 1913, and made the invention known to the world by papers read before scientific societies and by descriptions of the tube in scientific and popular publications. The new tubes were used for radio work by the French army early in the war and were soon in regular use in radio and x-ray work in this country.

The patent application, however, did not enjoy such immediate success. The Patent Office Examiner passed the application for issue in 1916, but this action was revoked before the patent was issued in order to permit another person who had in the meantime applied for a patent on this invention to contest Dr. Langmuir's right to a patent in what is called an interference proceeding.

On the declaration of the interference Dr. Langmuir's opponent attempted to show that the invention was not patentable. On account of the unusual importance of the invention the Patent Office departed from its usual practice and permitted elaborate testimony to be taken on the question of patentability, including even testimony, taken in England, on behalf of Langmuir's opponent of a world famous British scientist.

After the United States went into the war the Secretary of the Navy requested the Commissioner of Patents to suspend proceedings because the full time of both parties was required upon war work of great importance to the Government. After

the war testimony was resumed, and the merit of the invention was eventually sustained by the Patent Office, after an attack for which there are few precedents in vigor or in skill. Thereupon the contest became one to determine whether Dr. Langmuir or the later applicant was the first inventor, and more testimony had to be taken by both parties to establish their dates of invention. The Examiner of Interferences adjudged Dr. Langmuir the first inventor. On appeal to the Examiners-in-Chief the decision was again in favor of Dr. Langmuir. On further appeal, the Assistant Commissioner held in favor of the later applicant. But on still further appeal to the Court of Appeals of the District of Columbia, the Assistant Commissioner was reversed and the Court, agreeing with the Examiner of Interferences and the Examiners-in-Chief, found that Dr. Langmuir was the prior inventor. The appeals, though diligently prosecuted, were not terminated until June of the present year.

Dr. Langmuir is a world known scientist and inventor. Among a large number of other scientific and practical inventions made and patented by him, the best known is probably the Type C, or gas-filled, Mazda incandescent electric light.

The application of Dr. Langmuir's vacuum tube invention to x-ray tubes was the invention of Dr. William D. Coolidge, another world known scientist-inventor working in the research laboratory of the General Electric Company at Schenectady. The Coolidge x-ray tube, embodying the inventions of Dr. Langmuir and Dr. Coolidge, is now in operation in all hospitals and x-ray laboratories.

It is estimated that there are now in use in the United States over 10,000,000 tubes embodying Dr. Langmuir's invention, of which the great majority have been made by the General Electric Company and its licensees under this patent.

About Thunderstorms

Much has been said about the waste of electrical energy in thunder storms. F. W. Peek, Jr., consulting engineer of the General Electric Company, estimates that an average of 1,800 thunder storms are in progress in the world at any one instant. These give 300,000 flashes per hour, each of about 4 KW. hour power capacity, and make a total power capacity of 1,500,000 HP, operating continuously.

In Chicago alone, our second largest American City, there is generated 1,340,000 HP in the huge generating stations connected by high voltage transmission lines. It would not seem to be necessary to attempt to acquire electrical energy from the air.

The Fourteenth Annual Safety Congress

THE Fourteenth Annual Safety Congress was held in Cleveland, Ohio, from September 28 to October 2nd. There were over four thousand delegates attending from all parts of the United States, Canada and a few foreign countries. Attendance at a meeting of this nature, of executives, engineers, educators, physicians, industrial service workers, and key men from all industries, only strengthens the belief that this great work of conserving human life and preserving human happiness and usefulness is growing by leaps and bounds each year.

There were representatives from thirty-five different classes of industries convening in special sessions devoted to their own particular problems. These representatives also assembled on three different occasions to hear and discuss speeches and papers on problems of a more general nature.

The writer was impressed by the optimistic attitude of the leaders of the safety movement toward the future of safety work. It seemed to be the general opinion and statistics were shown disclosing the fact that accidents are decreasing even though we are living in a day and age of speed and recklessness.

You would scarcely care to read a detailed report of the sessions that the writer attended, but following are a few pertinent expressions from the convention that I think are worthy of the reader's consideration:

Safety builds and preserves men, preventing the destruction of the human machine.

The habit of safety brings much to those who practice it; it has no cost, increases tomorrow's opportunities, and lightens the burden of living.

The safe man is the earmark of improvement.

Machines are man-made and so are accidents.

The safeguard of human carelessness can replace the man-made accidents.

The hammer is our worst enemy in the fight against eye accidents.

Safety is a moral and economic issue.

Accidents are due to thoughtlessness and not carelessness.

The safety movement has gone through three distinct stages. In the beginning, it was a subject for sarcasm and ridicule, the next stage found it a matter for argument, today it is an accepted power.

Darkest Africa is not so gloomy as it used to be. If Stanley were to return to make his famous journey again through the African jungle, he would find electric lights in some of the villages and by waiting a few months, he could make part of the journey on the 220-mile electric railway now being built in the heart of the Belgian Congo.

KEEPING FIT CONTEST

Standing of Major Departments October 15, 1925

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Meter Department	17.98	8.45	53.10
2. Contributing Departments	19.64	14.47	26.35
3. Apparatus	5.44	4.22	22.45
4. Fractional H. P. Motor	19.40	16.28	3.12
5. Transformer	12.02	12.02	0.00
6. Building and Maintenance	12.10	19.88	—64.30
7. Induction Motor	4.57	7.83	—71.30
8. Decatur	8.82	16.87	—91.25

Accident Record to Date
More Than Last Year

High Time to Call a Halt

Accident records for the first nine months of 1924 and 1925 disclose the following number of lost time accidents:

Department	1924	1925
Meter	18	14
Contributing	34	22
Apparatus	3	7
Frac. H. P. Motor	27	25
Transformer	23	18
Bldg. and Maintenance	22	31
Induction Motor	9	12
Decatur	9	26

Total147 155

The 1925 accidents classified as to their nature are as follows:

Lacerations and contusions	65
Sprains and strains	21
Fractures	19
Eyes	19
Infections	15
Burns	9
Amputations	7
Fatal .....	..

Total155

The above indicates that we are slipping, having had eight more accidents the first nine months of this year than we had during a similar period last year. It is

time to call a halt and put on the "chains" before we skid into the ditch.

The Meter Department which has held the lead in the Keeping Fit Contest for the past four months after getting away to a bad start, is gradually outdistancing its nearest competitors, the Contributing and Apparatus Departments. A suitable trophy will be presented to the winner as has been the custom in past years.

You find in every organization, and ours is not an exception, a few persons who think this safety stuff is all bunk. These persons are a negligible quantity with negative ideas but like bad apples in baskets of good ones, if not removed, soon cause the rest to spoil. A recent report by the National Safety Council shows 231,000 human lives saved through safety organizations in fifteen years. And the safety organizations are really only beginning to function as they should. Is that work bunk?

If all the available power sites on the water falls of the world were developed they could generate 453 million HP, according to a recent estimate made by the United States geological survey. North America leads all the continents in developed water power, but Africa, still a dark continent, has resources of power greater than those of nearly all of the rest of the world combined.

Short Safety Sermons

A good example is the best safety sermon.

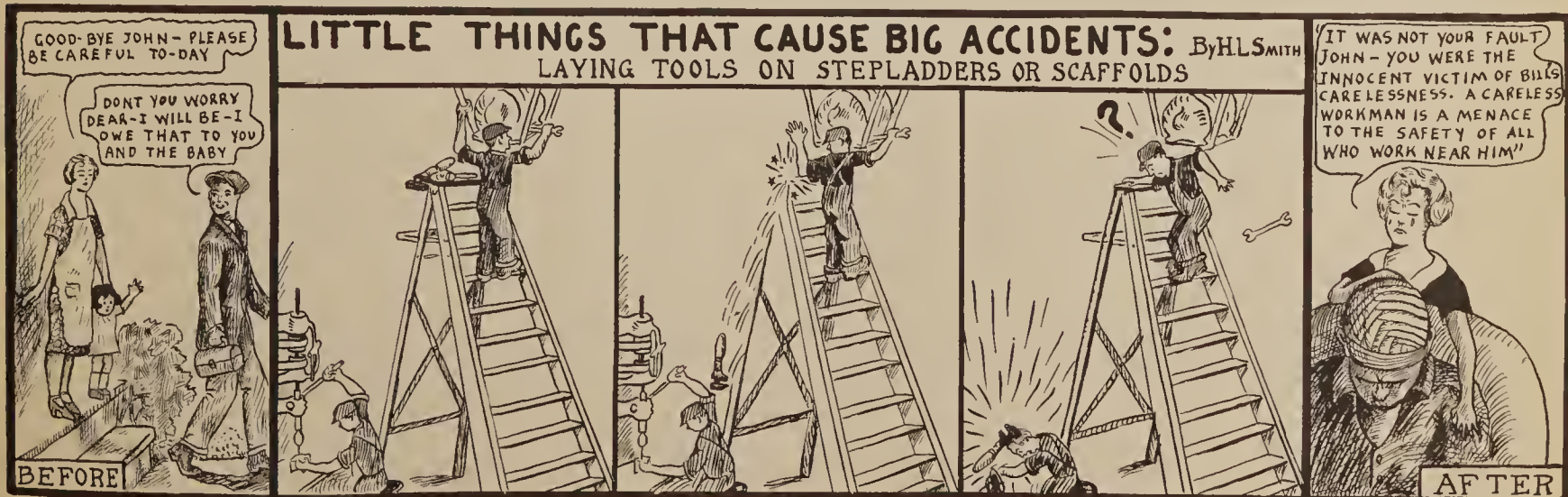
Better waste a few minutes of your time than spend the rest of your allotted life in a cemetery.

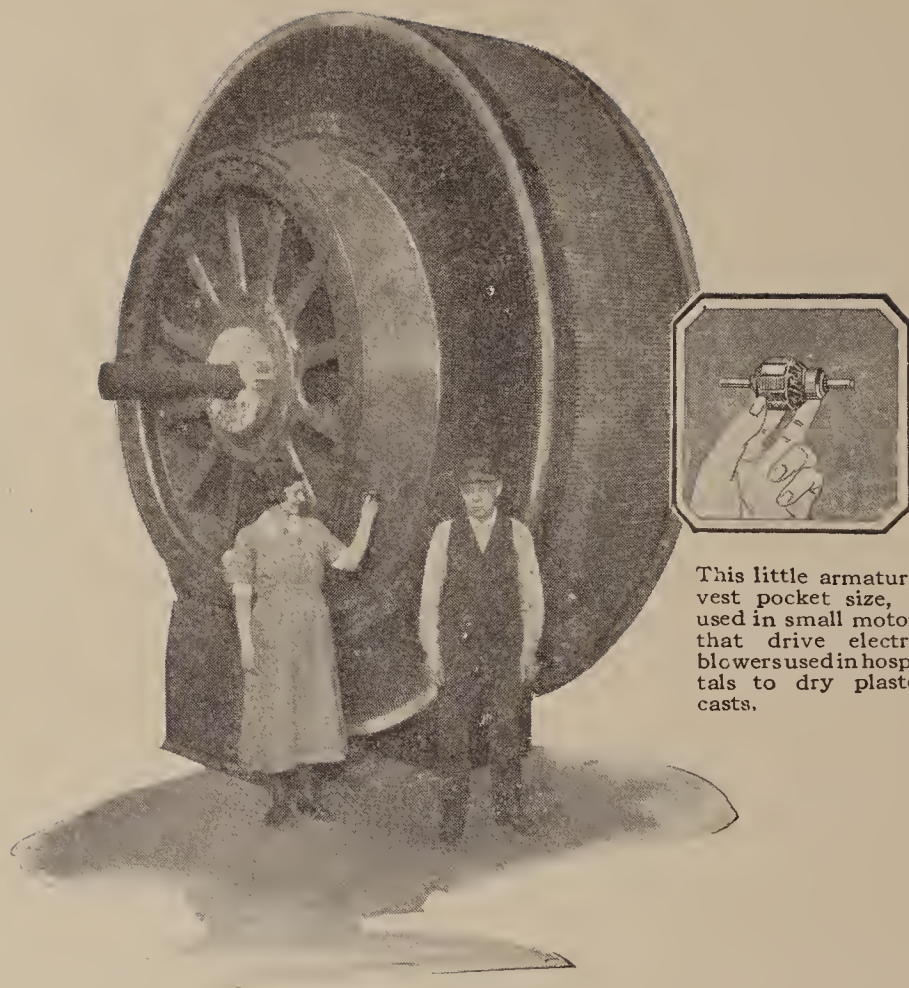
A guard is placed on a machine solely for your protection. Don't operate a machine without the guard in place.

A small white cross placed along the highways in Ohio wherever a person is killed in an automobile accident is bearing much fruit in the "Drive Carefully" Campaign.

One man who had been employed by this Company for seventeen years without being injured, recently had a portion of his finger amputated. Do not think that because you have never had an accident that you cannot have one? Be alert, just the same.

An employee in the Induction Motor Department endeavored to tighten an end milling cutter by hitting it with a steel hammer. A small chip from the cutter flew, striking him in the eye, resulting in the loss of sight in this eye. Never strike tempered steel with a hard hammer; use a copper or babbitt hammer which can be secured at any tool coop.





This little armature, vest pocket size, is used in small motors that drive electric blowers used in hospitals to dry plaster casts.

The Largest and the Smallest



Between the largest and the smallest G-E motors are thousands, of many different sizes, including the small motors that you see on fans, sewing machines, washers and vacuum cleaners. The General Electric Company is making motors for every kind of useful service.

Look carefully at any direct-current electric motor and you will see the "armature," which spins around inside the "field" and converts the electric current into power.

The girl holds a little armature. Behind it is the largest single unit we have built, for a direct-current motor of 4500 horse power for use in Detroit to help make automobiles.

GENERAL ELECTRIC

7-26C

*This Advertisement Will Appear in General Magazines in
November and December, 1925*



"For We Have Seen His Star"

GENERAL ELECTRIC NEWS

FORT WAYNE WORKS

Vol. 9

December, 1925

No. 12

For We Have Seen His Star

ONCE in each life there flames a star with a special, individual message.

When the luminous moment comes, we do one of two things—we turn our backs and ignore the opportunity, or we let its rays fill our minds with the determination to heed the message—to follow the star—and flood our hearts with the light of a promised joy. Perhaps, if we are very young, our own star has not yet appeared—has not yet cast its rays upon our path of promise. If so, we must wait awhile and watch the heavens to note the first brightening of its light. For success and joy depend on following the star that burns for our inspiration and guidance. The three Wise Men followed the star and achieved earth's highest privilege. Perhaps *our* star will shine out this Christmas-tide and lead us to *our* joy—if we will but follow it.



G-E JUNIORS' PAGE

My Dear G-E Juniors:—

Well, boys and girls, have you written your letter to Santa Claus yet? You had better be getting busy for it will not be long now until jolly old Santa will be here. But whatever else you might do, do not "spy" on Santa Claus when he comes to your house like the little girl in the picture is doing. I believe he has heard her for he is looking in that direc-

Welker, of Building 19-5, and Joseph Dickerson, whose father works in Building 18-1.

The prize-winners from Decatur were: Gretchen Nell Winans, whose mother, Mrs. Cora Winans, works at the Decatur Plant; and Lucille M. Miller, whose father works at the Decatur G-E.

We also had correct answers from Laura Tilda Lankenau, daughter of Superintendent

The following Fort Wayne Juniors also sent in correct answers and were given credit on their cards even though they did not receive prizes: Crescence Gardt, whose brother works in Building 10-2; James H. Fox, son of Robert M. Fox, of Building 17-2; Richard Gebert, son of Earl Gebert, of Building 10-2; Gorraine Beineke, whose father works in Building 26-B; Marie Gehle, whose sister Hilda works in Building 4-4; Alice Kirk, daughter of Joseph H. Kirk, of Building 26-2; Lewis Ehrman, the little brother of Marie Ehrman, of Building 26-4; Harry Dick, son of Charles R. Dick, of Building 17-2; Hilda Bultemeier, daughter of E. Bultemeier, of Building 4-2; Doris Gettys, of Reidmiller avenue; Evelyn Isenberg, whose mother works in Building 19-4; Wilma Backhus, of Convoy, Ohio, whose father, Harry H. Backhus, works in Building 4-5; Geraldine and John Reiber, children of J. Reiber, of Building 17-4; Martha Gebert, a sister of Geo. Sarasizen in Building 4-2; Elma L. Schneck, step-daughter of J. F. Dellinger, who brings her the G-E News; Helen McKinley, to whom Mrs. M. G. Smith of the Mica Department, takes the G-E News; Don Black, whose father, Thomas Black, works in Building 26-5; Gertrude Wyss, daughter of Fred Wyss, who works here; Lillian Scheiman, whose father is M. Scheiman, of Building 20-2; Theodora Beaty, daughter of Walter M. Beaty, of the Garage; Mary Ray, whose father works in Building 4-4; Gaynor Marsh, whose brother Earl works in 26-3, and her mother, Mrs. Elsie Patterson, in Building 19-B; Betty Platt, who gets the G-E News from Roscoe Platt, and Marguerite Miller, to whom Claude Frary takes the G-E News.

Don't you think that is a good lot of letters? Let's see if we can do still better this month.

When you have this month's puzzle solved, remember to send your answer to the Editor of the G-E Juniors' Page, General Electric Co., Fort Wayne, Ind. If your answer happens to be among the first five that I get from Fort Wayne or one



DECEMBER PRIZE PUZZLE

tion. What do you suppose he would do if he should see her?

This time there are fifteen words in the puzzle for you to solve. Since there are so many different kinds of things that Santa could leave at this house, maybe I had better give you an idea what each one is used for or else some other clue to sort of guide you. Now, No. 1 is a piece of furniture, No. 2 and No. 3 are playthings that little girls use more than boys, No. 4 is a plaything for boys, No. 5 is something to write on, No. 6 and No. 7 are for your doll, No. 8 and No. 9 are toys for boys. No. 10 you will use when you entertain your playmates. No. 11 is a noisy instrument, No. 12 is a piece of jewelry, No. 13 and No. 14 are to eat and No. 15 would be nice for big sister.

Last month all of you did so well that I have big hopes for you this month. I am sure you will not disappoint me.

The prize-winners from Fort Wayne last month were: Junior Frank Elder, whose father works here and takes the G-E News home to him; Viola Fabian, whose father is a truck driver of Building 27; Richard Melching, who is the son of W. F. Melching, our employment manager; Ada Welker, who is the daughter of Geo. H.

ent E. W. Lankenau of the Decatur Works, and from Gladys Whitright, whose sister Helen works at the G-E at Decatur and brings her the G-E News.



HELEN KLERNER, LILLIAN SCHEIMAN, ARVILLE GREUTER AND ALICE SCHIFFLI

Lillian Sent Us the Picture.

of the first two that I get from Decatur Juniors, then you will receive a prize. If your letter comes in later you will be given credit for it just the same on the little card that I have made out for you. This contest for the yearly prize is getting to be an interesting one and we wonder which boy and girl will win. If you do not know about this contest, look it up in the October G-E News.

Lillian Scheiman sent us the picture of the little girls. They are: Helen Klerner with her rabbit, Lillian Scheiman with her little niece Maurine Brackman on her lap, Arvilla Greuter and Alice Schiffler, all very good friends of Lillian. This picture was taken last summer during the school vacation.

Martha Gebert sent us a picture of her mother and father but we think it best to use only pictures in which there are one or more G-E Juniors on the G-E Junior Page. You will remember that we ran Martha's picture in the June Issue of the G-E News. Martha is helping all she can toward making the Juniors' Page interesting to all the boys and girls.

Do you remember the nice big Christmas party that we had last December shortly before Christmas? We are going to have another one this year and we want all of the G-E Juniors to be there. Santa Claus will be there with a gift for each one of you and we believe he would be disappointed if he should have to take his gift

back to his home up north. That is what he would probably have to do if you should not call for it. Tell your daddy or brother or sister that works here to watch the bulletin boards to find out about this big party. All I can tell you now is that we are going to have a wonderful Christmas party sometime just before Christmas and that Santa Claus will be looking for you then.

Now I hope that Santa Claus will bring all of you boys and girls just exactly what you ask him for and that you will all have a real Merry Christmas.

Sincerely,

G-E JUNIORS' PAGE EDITOR.

A Big G. E. Christmas Party for Employees and Their Families

Wednesday Evening December 23rd at 7:00 P. M.

SANTA CLAUS has told some of the General Electric Committee over the radio that he is going to be here at 8:20 o'clock Wednesday evening, December 23rd. He says he has been busy all year getting ready for his big journey and he wants everyone to be sure and be on time, especially all the little folks of the General Electric Company. Santa Claus has come to the General Electric parties so often and he says he likes to come because there is always so much happiness and people seem to have such a good time. He expects to see a lot more children there this year and he said he wanted all the daddies to be sure and get a ticket for each child so that none would be left out. Santa is bringing a larger pack this year so that everybody will get their presents. All the daddies will be given tickets by the Finance Committee. Santa Claus is going to ask for these tickets and in that way every one of the children will be taken care of.

We tried to find out how Santa Claus expects to come with his big pack, but he would not tell, but hinted that he might come in an aeroplane. Some folks think he will land on a large building if he does come in an aeroplane. Santa Claus has asked Mr. Verwiere to have his fine band playing before he comes. He also said that he heard Mr. Freeman had a new male chorus and wondered if they wouldn't sing some Christmas songs. He wants everybody to have a good time and has tried to provide something for everyone.

In order that everybody will be ready for Santa Claus, Mr. Verwiere's band will play from seven to seven-thirty o'clock and the whole program is given below:
7:00—G-E Band Concert.
7:30—Invocation.
7:35—Address of Welcome by Mr. W. S. Goll.
7:40—Prologue—Holy City by Elex Club.
Scene 1—Shepherd Scene.
Scene 2—Nativity.
8:20—Santa Claus.



THE BIG TREE WE HAD TWO YEARS AGO

A Feel in the Christmas Air

By James Whitcomb Riley

They's a kind o' feel in the air to me

When the Chris'mas times sets in
That's about as much of a mystery

As ever I've run ag'in.

F'er instance, now, whilse I gain in weight

And ginerall health, I swear

They's a goneness somers I can't quite state—

A kind o' feel in the air.

They's a feel in the Chris'mas air goes right

To the spot where a man lives at!

It gives a feller a appetite—

They ain't no doubt about that!

And yit they's somepin—I don't know what—

That folles me here and there

And han'ts and worries and spares me: not—

A kind o' feel in the air.

They's a feel, as I say, in the air that's jest

As blamed-on sad as sweet

In the same ra-sho as I feel the best

And am the spryest on my feet

They's allus a kind o' sort of a ache

That I can't locate nowhere

But it comes with Chris'mas, and no mistake—

A kind o' feel in the air.

Is it the racket the children raise?

Why, no!—God bless 'em, no!

Is it the eyes and the cheeks ablaze,

Like my own wuz long ago?

Is it the bleat o' the whistle and beat

O' the little toy drum and blare

O' the horn? No, no! It is jest the sweet—

The sad, sweet feel in the air.



FORT WAYNE WORKS NEWS

Vol. 9

DECEMBER, 1925

No. 12

Armistice Day Fittingly Observed at Our Works by Two Minutes Silence, Band Concert and Addresses

Field Pieces Placed at Base of Memorial Flag Pole Formally Presented By Manager Goll

Reverend Rocca Makes Spirited Appeal For the Outlawing of War

ARMISTICE DAY was fittingly observed at our Works by a two-minute period of reverential silence at 11:00 o'clock, and by a patriotic band concert and appropriate addresses which featured the ceremonies at the site of our war memorial during the noon hour. The day was made the occasion for formal presentation of the two field pieces which had just been mounted at the base of the flag pole. I. H. Freeman, who was in charge of arrangements for this ceremony, presented Mr. Goll, who spoke as follows:

"Seven years ago today there was signed an armistice which terminated the World War, a struggle which had torn the whole continent of Europe and had brought untold misery and suffering to many peoples.

"While this agreement closed actual hostilities in the field, we know now that it did not end the sufferings and ills of the nations engaged in that terrific struggle,

for there have followed revolutions and unrest and want and misery and unemployment and the burdens of heavy taxation laid upon those who can ill afford to bear them.

"Fortunately, America, largely because of her isolation, has suffered few, if any, of the after-effects of the war. She did, however, take a glorious part in bringing it to a conclusion, and to commemorate the services and sacrifices in that great struggle of the members of these Fort Wayne Works this monument, the joint gift of the employees and of the Company, was erected under the auspices of the Foremen's Association and was dedicated one year ago today, to stand for all time as a memorial to the valor and patriotism of our friends and associates.

"During the year which has passed Mr. Barnes and his associates have interested themselves in securing and placing in position two field pieces; one, a naval land-

ing gun which saw service in the Spanish-American War and in the Boxer Rebellion in China, the other, a German 77 mm. light field gun built in 1917 by Krupp, the great steel and armament manufacturer and captured by our troops in the engagements in the Argonne.

"I have now the privilege and the honor to present these pieces to the employees of the General Electric Company, that they may stand guard on either side of the monument and add their mute appeal to our patriotism and our resolve to cherish and uphold the principles of American independence and freedom in defense of which our comrades made their sacrifice."

Samuel D. Jackson, a well-known local attorney, accepted the guns on behalf of the former service men, with appropriate remarks. He was followed by the Reverend Louis N. Rocca, rector of the Trinity Episcopal Church, who paid tribute to the six Gold Star men from our Plant, and made an eloquent appeal for high ideals in individual and national life to the end that war may be outlawed for all time to come. The ceremonies closed with the singing of the "Star Spangled Banner" by the audience, led by Howard Freeman and the G-E Band.

The military record back of each of the guns which now flank the flag pole and the story of the way in which they were secured may be of interest to our readers. We therefore reproduce it as given by I. H. Freeman, who handled all correspondence on the matter for the Foremen's Club, which first conceived the idea of the present war memorial:

"The naval landing gun at the left of the flag pole was secured from the Navy Department on June 29, 1924. This gun was made in 1893 at the United States Naval Gun Factory, Washington, D. C., and saw active service in Cuba during the Spanish-American War, and was also used to good effect in the Boxer Rebellion in China.

"The large 77 mm. German field gun was built in the great Krupp Munition Works at Essen, Germany, in 1917, and was used by the Germans until it was captured in France by American troops in the Argonne drive. After the war, the



FINAL SETTING OF OUR WORK'S WAR MEMORIAL

gun was shipped to the United States, where it was placed in the Rock Island Arsenal awaiting disposition. The gun was finally consigned to Battery C of the 139th Field Artillery of the Cyclone Division, and was placed in the armory of this battery at Lebanon, Indiana. Those who care to examine this gun can easily find the evidences of American marksmanship on the shield, while a spoke in one of the wheels was entirely cut through by a piece of shrapnel. To prevent undue weathering and decay, this spoke has been repaired.

"These two guns were part of the original plan for the flag pole setting and application for them was made by the Foremen's committee nearly two years ago. The naval landing gun was received in time for the dedication of the flag pole, but no German gun could be obtained.

"Early in June of this year, Mr. Barnes became interested in the project and enlisted the aid of several men of influence, including Col. E. Z. Steever, of Schenectady, Messrs. J. R. Farrell and D. C. Young, of the Indianapolis G-E Office, and Major C. B. Bank, of Fort Wayne.

"In spite of the efforts of these men, no gun seemed to be available, but, through the final efforts of Major H. C. Bradley, of the 152nd Infantry, Indiana National Guard, the gun we now possess was located, and Battery C, 139th Field Artillery agreed to relinquish its claim on the gun and to ship it to Fort Wayne.

"With the addition of these guns, the flag pole setting is complete."

Building Eight Makes a Record

THE employees of Building 8 made a production record the week ending November 7th, when they completed and shipped ten carloads of "power size" transformers aggregating approximately 35,000 Kv-a. In this department, under Foreman Fred Banks, the coils are treated, the cores are stacked and assembled with the coils, the coils are connected, the core and coil units are placed in the tanks, they are then tested, the transformers are painted and placed on board cars ready for the trips to their ultimate destination. Building 8 is normally a busy place, but it must have been an especially active place the first week of last month when so many completed units were turned out.

Co-operation Wanted

Our Plant watchmen are anxious to have a little better co-operation in parking the cars on the part of some of those who are using the parking space south of Building 19. Haphazard parking of a very few machines will cause a lot of inconvenience to others concerned, and will seriously limit the number of cars which may be parked on the space.

As the parking space is free, and as orderly arrangement according to the carefully worked out plan is a necessity to accommodate the large number of cars and facilitate their getting out quickly at quitting time, it is reasonable to expect every one to co-operate fully with the watchmen in arranging the incoming cars.

NOTICE!

To My Fellow Employees,
Fort Wayne and Decatur Works:

This company recently offered to its entire force an opportunity to secure at a very low premium rate, payable by deduction from pay roll, group insurance in addition to the free insurance heretofore provided.

The fact that over eighty per cent of those eligible at these Works availed themselves of this valuable opportunity is gratifying to the officials of the company, and is an evidence of discriminating judgment on the part of the employees.

I take this occasion to congratulate those who have already taken this additional insurance, to urge those who have not yet done so to reconsider and make application before this opportunity expires at the close of business December 16, 1925, and finally to thank those who served on the soliciting teams.

WALTER GOLL.

Additional Life Insurance Plan Now in Effect

THE plan for providing additional life insurance for members of the G-E organization announced by President Gerard Swope on November 2nd, went into effect at 12:01 o'clock on the morning of November 16th. Employees who signed for it have been covered by the insurance since that time.

Out of a total of 48,435 employees eligible to take out the insurance, 38,709, or eighty per cent, applied for it. These figures do not include employees of the Incandescent Lamp Department, the Pacific Coast District and the Oakland Works. Separate campaigns in those organizations are now under way.

In the various Works of the Company, the percentages were as follows:

West Philadelphia	92%
Erie	91%
New Kensington	91%
York	89%
Baltimore	84%
Philadelphia	83%
Fort Wayne	81%
Bloomfield	80%
River Works, Lynn	79%
Pittsfield	79%
Schenectady	78%
West Lynn	77%
Bridgeport	76%

The Rocky Mountain District led all the district organizations in the percentage of employees applying, 93 per cent having signed for the insurance. The Atlantic District, with 90 per cent, was not far behind, followed by the Central District, with 88 per cent; Southwestern, 87; East Central, 85; New England, 78; South-eastern, 76; New York, 65.

The percentage of International General Electric Company employees who applied, was 93 per cent. This includes employees of the I. G. E. Co. in this country only. The Merchandise Division of the general company reported 85 per cent, and the General Office, 76 per cent.

GROUP LIFE INSURANCE

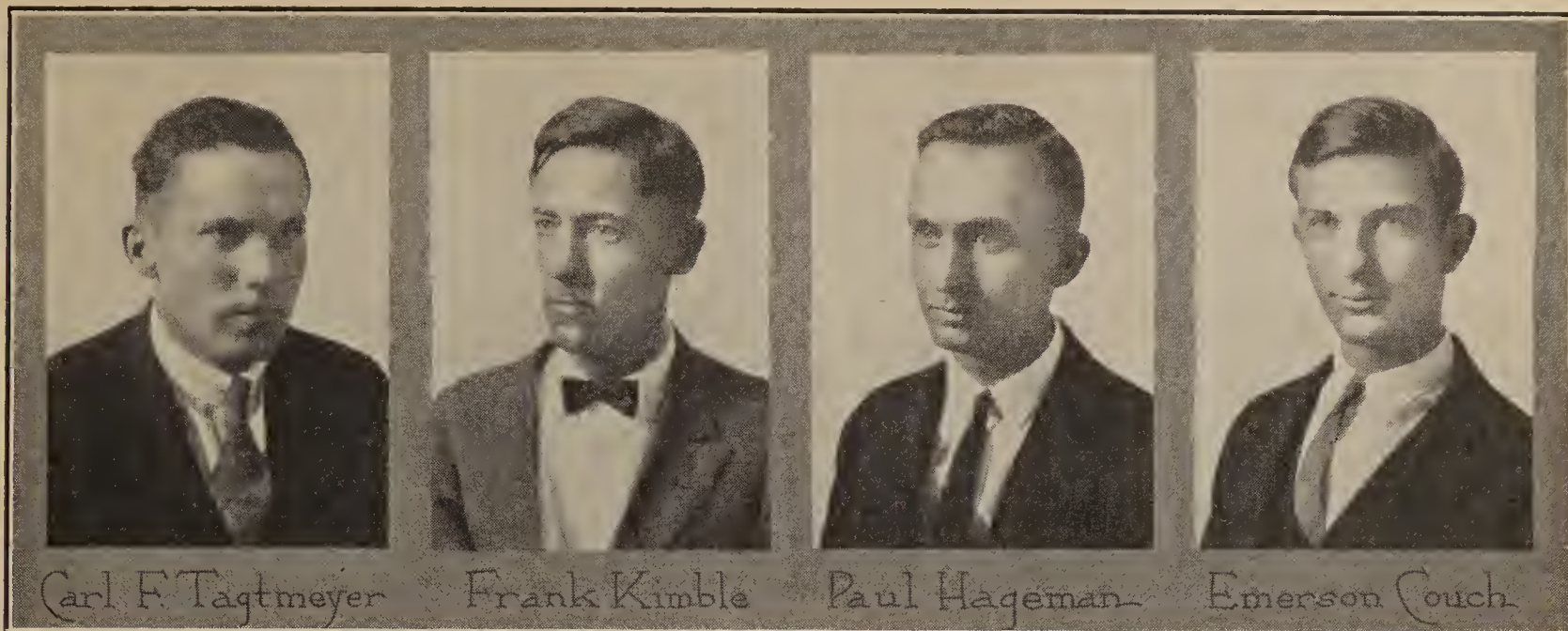
Deaths Reported for October, 1925

<i>Schenectady</i>		
Employee	Died	Beneficiary
Fabiano Giandra	July 15	Daughter
Vincenzo Tulio	Sept. 23	Wife
Evan J. Richards	Sept. 23	Wife
John Damberg	Oct. 2	Wife
Michael J. Michaelson	Oct. 9	Wife
Frank B. VanVranken	Oct. 11	Wife
Frank L. Gibeau	Oct. 11	Father
Henry Haushalter	Oct. 15	Wife
Wm. C. Davenport	Oct. 15	Wife
Joseph Kutil	Oct. 18	Children
Albertis Wagner	Oct. 20	Wife
John Tregurtha	Oct. 22	Wife
<i>River Works</i>		
Joseph Liscinsky	Aug. 31	Wife
<i>W. Lynn Works</i>		
Michael Fogarty	Sept. 28	Wife
John J. Downing	Oct. 14	Mother
<i>Pittsfield</i>		
Edw. Butterworth	Sept. 23	Wife
Alfonso Parinello	Oct. 13	Wife
Rennie Allen	Oct. 13	Wife
Kenneth Griswold	Oct. 25	Father
<i>New York</i>		
Abraham L. Springsteen	Sept. 25	Father
Theresa De Maio	Oct. 14	Mother
<i>New Kensington</i>		
Robert L. Brown	Sept. 14	Wife
Total—22 Deaths	Paid—	\$30,250.00

Quarter Century Club Member Dies

Richard D. Engelking, a well-known member of our local Quarter Century Club, and an employee of Building 17-4, died November 10th following only a few weeks' illness at his daughter's home.

Mr. Engelking came to our Fort Wayne Works on November 7, 1889, but owing to several years' absence in the nineties, when he was laid off on account of lack of work at our Plant, he did not qualify for membership in the Quarter Century Club until the beginning of 1922. He was first employed here at the G-E as a coilwinder under Foreman C. S. Rehrer, and followed this work for a number of years before being assigned to other duties in the shop. Mr. Engelking was a steady and reliable employee and his many friends at our Plant will greatly miss him from his accustomed place in their midst.



FORT WAYNE MEN WHO RECEIVED WORTH-WHILE AWARDS ON SUGGESTIONS DURING PAST MONTH

Thirty-five Awards Made at Fort Wayne and Decatur in Last Month

Eight Awards of Twenty Dollars and Above

THAT the suggestion system is gaining in popularity at the Fort Wayne and Decatur Works is shown by the increase in number of larger awards made during the past month. Of six awards, amounting to \$25 or over each, two went to Decatur men. An account of these two awards, the largest made during this period, will be found in the Decatur Section.

The Committee on Suggestions announces the following awards made on suggestions up to November 18, 1925:

Frank Kimble, an award of \$30 on using a round nose milling cutter on a bearing made in Building 4-3. This results in a saving in the cost of milling the bearing. Mr. Kimble, who is an assistant foreman in Building 4-3, suggested a change in design of the slot in the bearing, permitting the use of the round nose cutter.

Carl F. Tagtmeyer of the Apparatus Cost Department, an award of \$30 on extending the use of No. 990 tape throughout the Plant. This suggestion resulted in the use of this tape at a considerable saving in several places where it was not used before.

Ralph Hageman, of the Apparatus Stock Department, an award of \$30 on the installation of a monorail crane over the winding machines in Building 2-2. The use of this crane does away with the re-winding of wire on smaller spools for use on these machines. (There is an error in Mr. Hageman's first name on the cut).

Emerson Couch, an award of \$25 on the use of a motor on type TM-3 elapsed time switch similar to that used on the M-10, to aid in testing. This suggestion led to the testing of the TM-3 motor by means of a stroboscope printed on the disc, and cut down the time required in making

the test. Mr. Couch is employed in Building 19-5, testing meters.

Raymond Dotzer, of the Fractional Horsepower Winding Department, Building 4-5, an award of \$20 on placing a small steel well in the tip of soldering irons used as soldering wells. These wells are screwed into the regular tips and are easily replaced when worn out, thus saving frequent replacement of tips.

Geo. C. Braun, an award of \$20 on the use of litharge in sealing explosion proof motors assembled in Building 4-4. Mr. Braun, who is engaged in the assembling of these motors, devoted his efforts toward decreasing the amount of work in assembly and the number of rejections. His suggestion greatly improved the job of sealing in the leads, which was formerly done with compound.

Oscar Nesbitt, an award of \$10 on an adjusting screw for I-14 base automatics used in Building 19-4 to keep short drills from slipping back into the chuck. Mr. Nesbitt, an inspector in Building 4-4, noticed that trouble was experienced with drills that had been ground down until they were too short to fit properly in the machines.

Frank Ashbaugh, of the Meter Clock Department, Building 19-5, an award of \$10 on the use of inserts in terminal boards of phonograph motors to receive terminal screws. This results in less stripping of threads and fewer scrapped terminal boards.

Mrs. Julia McIntyre, an award of \$10 on a suggestion dealing with an improved method of rolling corrugated insulating cylinders made in Fleming's Department. Mrs. McIntyre, who is employed in the

Mica and Insulation Department, noticed that the double-faced corrugated material was very hard to form into cylinders and her suggestion resulted in the use of single-faced material on this job.

The following were given awards of \$5 each on suggestions listed below:

Wayne Michelfelder, Building 4-3, two \$5 awards on guard on table of drill press No. 3246 in Building 4-3, and lights on drill presses No. 8931 and No. 6080 in H. Schnurr's department.

Mabel Daugherty, Building 4-4, on racks for holding relay motors in test in Building 4-4.

Chas. F. Braun, Building 4-4, on tool for placing ball races in flanges of motors for closing mechanism in Building 4-4.

Jay O. Kelly, Building 27, on bumpers for cranes No. 13585 and No. 13584 in Building 27.

Edgar Hunter, Building 27, on stand for sand blast in Tank Shop.

Harry R. Beitel, Building 19-5, on protecting stylus points on type G demand meters with pith.

Dorris D. Proxmire, Building 19-5, two awards of \$5 each on countersinking holes in dial plates of G-8 demand meters in assembly, countersinking rivet hole on type G-8 movement mechanism for adjusting bracket, and shortening screws used to fasten type G-8 heating element to base in Building 19-5.

E. Eyleneberg, Building 19-5, on testing C. R. 2990 thermometers at a higher temperature in Building 19-5.

O. E. Goff, Building 4-4, assembling markers on RSA field leads in Building 4-5, while winding.

Geo. Huber, Building 10-3, on guard for drill press No. 4718, located in Building 10-3.

C. Dixon, Building 19-4, on changing from tank nickeling to barrel nickeling of mounting screw, Dr. 132215 in Meter Department.

Louis D. Hopper, Building 20-1, on guard belt on welding machine in Building 26-1.

(Continued on Page 9)

FORT WAYNE WORKS NEWS

Published on the first Friday of each month by The General Electric Co. in the interests of the employees of the Fort Wayne and Decatur Works.

PUBLICATION COMMITTEE

W. S. Goll _____ Chairman
E. A. Barnes _____ R. F. Harding _____

X. J. Divens _____ Editor
Alvin Konow _____ Distribution

SECTION EDITORS

W. J. Hockett _____ Industrial Service
E. L. Misegades _____ Safety
Flora Boerger _____ Girls' Department
Wade Reed _____ (G-E A. A.) Athletics
Robert White _____ Decatur Works

REPORTORIAL STAFF

H. A. Wilding _____ Electro-Technic Club
Mabel Ligget _____ Elex Club
Carrol Blincoe _____ Apprentice Association
Fred Duryee _____ Foreman's Association
Fred Duryee _____ Volunteer Fire Department
John L. Verweire _____ Band
J. E. Hall _____ Quarter Century Club
Edward Witte _____ Mutual Benefit Association
E. G. Stock _____ Apprentice Alumni Association
R. E. Coates _____ G-E Squares
Irene Fox _____ Absent Employees

Vol. 9 December, 1925 No. 12

THE shock that spread throughout the G-E organization on receipt of news that four of its members lost their lives in the train wreck near Plainsboro, N. J., on November 12th, and that two others were injured, has been succeeded by an acute sense of loss. In a small measure the gloom of the tidings was mitigated by the fortitude of Arthur W. Gross—the only one of the four fatally injured who, so far as is known at this writing, was not killed outright—who patiently awaited rescue through hours of agony.

The sympathy of the G-E organization goes out in unstinted measure to the families of the victims, and with it there is a deep sense of personal loss.

The men were members of the Inter-Works Welding Committee of our Company. The Committee had met at Baltimore on November 11th, and these members were enroute to the Bloomfield Works when the accident occurred.

The following are brief sketches of their careers:

Mark A. Atuesta, a member of the Manufacturing General Department, Schenectady, where he was attached to the staff of H. F. T. Erben, assistant vice-president, was born May 10, 1877, at Bogota, Colombia. He entered the employ of the Company in 1894 as a member of the Testing Department, Schenectady Works. After several years on Test, during which time, also, he was engaged in outside construction work for the Company, he became foreman in the Testing Department, a position which brought him into touch with the men now in our district and local offices who were then on test here. In 1910 he left the Testing Department to enter the office of the technical superintendent of the Schenectady Works, and in 1916 became a member of the Industrial Heating Department. In 1924 he was appointed to the position he held at the time of his death. He leaves a wife and daughter.

RESOLUTIONS OF SYMPATHY PASSED BY MANUFACTURING COMMITTEE

At the opening of the manufacturing committee meeting held in Schenectady, November 18th, renewed expression was given to the profound sorrow occasioned by the tragic death of Mark A. Atuesta, Arthur W. Gross, John C. Horstman and Rollin D. Reed. They had long been known to all of the members of the committee. The personality of each of them was distinctive and such as endeared him to his associates. As a group they illustrated the fine type of manhood, devotion to duty and capacity for achievement that help to make the Company an agency of useful service.

Upon motion, duly seconded, it was

RESOLVED, That the Manufacturing Committee express in the minutes of this meeting its sincere sorrow for the untimely passing of Mark A. Atuesta, Arthur W. Gross, John C. Horstman and Rollin D. Reed, its appreciation of their character and service, and its deep sympathy for their bereaved families.

It was further

RESOLVED, That a copy of this minute be sent to each of the families.

Rollin D. Reed, who had charge of the sale of arc welding equipment, Industrial Department, Schenectady, was born in New York state in 1882 and was graduated from Union College in 1907. He joined the G-E organization in 1902, left a year later, and returned in 1907 as a member of the Testing Department. After completing his work in the Testing Department, he spent about a year in the Induction Motor Engineering Department, and two years in the Production Department. In March, 1919, he was transferred to what was then the Supply Department, and in January, 1916, became a member of what is now the Industrial Department. He had had charge of the sale of electrical arc welding equipment since 1919. He is survived by his wife and three daughters and by his father, a sister and a brother.

Arthur W. Gross, in charge of the factory suggestion system of the various plants of the Company, with headquarters at Schenectady, was born at Erie, Pa., in 1893. He attended the Bliss Electrical School, afterward entering the employ of the Burke Electric Company at Erie. He entered the service of our Company as a draftsman at Schenectady in 1913, and two years later became a member of the Publicity Department as a technical writer. In 1923 he was transferred to the office of J. A. Smith, general superintendent of the Schenectady Works, where he was engaged in plant efficiency work. In 1924 he was assigned to the staff of Assistant Vice-President Erben, where he had charge of the factory suggestion system. He is survived by his wife and his father, the latter residing at Erie.

John C. Horstman, a member of the Quarter Century Club, was in charge of the application of electric welding to manufacturing processes in the Schenectady Works, and a member of the staff of Manager C. E. Eveleth. He was born at Schenectady in 1876, and entered the employ of our Company in August 1892, at the Schenectady Works, where he took up die and tool work. Five years later he engaged in drafting work at the Lynn and the Schenectady plants. In 1902 he entered the D-C En-

gineering Department, and in 1907 joined the Testing Department, returning the following year, to D-C Engineering. Since 1913 he had been following the line of work in which he was engaged at the time of his death. Besides his wife he leaves a sister and two brothers, one of whom, Walter Horstman, is employed at the Erie Works.

Among those injured in the wreck were D. H. Deyoe and T. A. Wry. Mr. Deyoe, a member of the Industrial Engineering Department, suffered from shock, but was the first to communicate news of the disaster to G-E officials. Mr. Wry, who has charge of the manufacture of reflectors, enameling, and die casting at the River Works, Lynn, escaped with minor injuries.

A Correction

Several times in the past we have mentioned in the WORKS NEWS the Pleasant View Cottage up the St. Joe, a popular place for outings of groups of G-E folks, as being the property of Harry Zimmerman. In this we erred unwittingly. This cottage, we are advised, is the property of the Pleasant View Club, the members being Harry Zimmerman, Carol Elder, Alvin Powel, Walter Dreyer, Fred Bishop and Harry Prange, all employees of this Works, except Mr. Bishop, who formerly worked here. It has been through the courtesy of this group of men, rather than Mr. Zimmerman alone, that the various Work's clubs and departmental groups have enjoyed the privilege of using the beautiful Pleasant View Cottage and grounds for their outings.

The man who sneezes over everybody may have a cold in his head but not much else there.

You can't escape the law of averages if you persist in taking chances.

A nut at the steering wheel, a peach at his side and a sharp turn in the road is a good recipe for a fruit salad.

Questions That Interest Us Discussed By President Gerard Swope at River Works, Lynn

The Foreman's Job—Developing Better Men—Employees' Suggestions—Business Prospects for Next Year—Are G-E Rates Fair?—All Come Under Discussion by President Swope

AT a recent meeting at the River Works, Mr. Swope addressed the Foremen's Association. The following extracts are taken from the report of his talk, in the belief that they are of particular interest to the people of the Fort Wayne Works:

"We generally have regarded the foreman's job as two particular things: Output, getting it out in less time than ever before, and costs, getting it out at less cost than ever before. They are two important considerations, I admit. They are not the whole thing, however. Cost is important for many reasons. Some of the elements of cost are rent, including insurance, taxes, depreciation on buildings, return on investment, etc. Those go into overhead. The more your output, the less your overhead on a particular item. I was tremendously interested in reading of the meeting of the American Federation of Labor held in Atlantic City, because for the first time at a meeting they struck a new note. The slogan has always been 'A fair day's pay for a fair day's work,' but now they say that they want increased earnings for their workmen, depending upon his productivity. We have spoken of this for several years in the General Electric Company, and we are trying to encourage our men to make suggestions, improve methods, to take a greater interest in their work.

"If men feel that the rates are going to be maintained, they are going to be encouraged to make more money, and the Company and the foremen have a rare opportunity there because, as I said before, if we can increase the output, we are going to decrease the overhead on that particular item, and reduce costs. Any suggestions for the improvement of your methods coming from your workmen should be encouraged. At the meeting of the representatives here they said the foremen look upon suggestions from the men as a reflection upon them. If that feeling is still present among the men in the Works, we must remove it if we would get the best results. *There are not any of us wise enough to discover all the things that men throughout the ages have discovered*, and in an organization such as this where you have hundreds and hundreds of men doing work, you will find them of different degrees of intelligence, and you should do all in your power to encourage them to make suggestions. I might say it really is a *mark of distinction for that foreman who has the largest number of suggestions from his men*. It shows the men have confidence in their leader, and are not afraid to make suggestions. We must enlist their interest

in the reduction of cost. Reductions in costs are not at all inconsistent with higher earnings on the part of the workmen. We are not afraid of high earnings for workmen if the piecework rates are set at all fairly. There is more advantage than in having them too low. If we can encourage our men to greater productivity with the same piecework rates, our labor cost is not reduced, it is true, but our volume of output is increased, and our costs lowered. As our costs are decreased, we can afford to reduce the selling price, and reducing this opens a larger avenue for the sale of our products, and in the electrical business there are many competitors. Many of these companies do not know how to figure costs as well as we do, and they sell sometimes at low prices, and we have difficulty in meeting them. Work for lower costs and not for less earnings on the part of the men, because if that is done, it would be the sacrifice of the heart of the thing and you would not accomplish anything. The high standard of living we have in America we should be proud of. I think we should encourage increased productivity on the part of the men. The foremen's part in that is large, and tremendously important. Output, of course, is important because we have got to satisfy our customers in the service we give. * * *

"If we are going to have folks go willingly and voluntarily with us they cannot do so unless they go the way we are heading. It is one tremendous advantage the Company has. There is nothing that we are not willing to discuss with you—any question brought out in good faith that involves the well-being and character of work that is being done. We have no secrets. We are glad to tell you our policies because we believe if you know them you will interpret these policies better than if you try to imagine them. Sometimes, maybe, you will guess right—often you will guess wrong, and often much good might come out of this question of our policy because it throws a new light upon them, and I remember a number of questions that have occurred at different plants showing the kind of thoughts that run in people's minds. That department where the men believe in the leadership and have confidence in their foremen is going to be a very much happier place to work, and since we spend so much of our lives in the shop of course we ought to make it as happy as possible. Those rules are not inconsistent with work well done, because men well trained and directed by intelligence rather than by an order will do their work better and more intelligently. The hope of the future in the development of young men is a great deal brighter. If *this organization is going to go on*, and I have

no doubt it will, *it depends upon the young men of exceptional ability and merit*. It is up to us in the supervisory organization, and this includes the foremen, to find these men of exceptional ability and to give them an opportunity. It does not handicap or shorten the opportunities of the foremen themselves to discover new talent. That foreman who can develop the uppermost men will soon work himself out of a job and into a better job. These are the men that every big organization needs in places of greater responsibility. That is true in the General Electric Company, and is going to remain so. If we can do a larger volume of work, and we can if the people of this country are justified in giving it to us, then I have no doubt a much larger volume of work is coming to the General Electric Company than ever before. As more work comes we are going to have *opportunity for more men and better men*. That is true of the foremen, and is true of all men throughout the organization. It is an opportunity for progress and development, not only on our part, but all our associates. It seems to me it should be the ideal of men associated together in a progressive and constructive industry such as we are, with associates whom we can respect like such as the type that Professor Thomson stands for, *to go forth in the service of doing a better job and developing those men who can carry on the work in the future. That responsibility is ours and is largely on the shoulders of the foremen in such a large organization such as ours, and I am going to leave this responsibility on your shoulders.*"

At the conclusion of this much enjoyed talk Mr. Swope answered questions that had been presented him.

With reference to how the Company sells its apparatus, and how factory costs affect the selling price, he said:

"Our sales organization is a far flung one. We have a general sales organization that has general charge of all lines of merchandise—turbines, large generators, motors, street railway material, industrial control, merchandise, etc., known by lines of apparatus. When we come in contact with a customer we have another organization, our district offices, in forty-eight cities throughout the country. From those offices radiate our salesmen who meet our customers. They have the same responsibility as have the foremen who are to interpret our policies correctly to our workmen. They meet our customers face to face and try to sell our apparatus. The Company has a good reputation for quality. Our prices are not always the lowest; in fact, our people say generally they are high. I want to correct this impression, which is a general one, of how easy it is for the General

Electric Company to secure business. The Company does a large business itself, but for every dollar's worth of business we received last year, three dollars went to others. You can see what a small proportion (less than twenty-five per cent) we got. We have to meet that competition on quality, service and on price. On quality our standards are good. Our engineering departments have kept the designs and efficiency up to a good high standard. Our service in factories and commercial organizations was never better. We have given better service in the last year than ever before. We have received letters of commendation from boards of directors, which happens but rarely. The question of price is always with us. As I said before, as we can reduce our costs, we can reduce prices. We can get a larger part of the business extant, and furthermore we can interest people who were never before interested. One way is to take it from the other fellow, and this leads to bad feeling, and the other is to create new business. That is, to educate the public to need the electricity. We think everybody uses motors in their factories, but they do not. Two-thirds of the factories of the United States are still unequipped with electric motors. One-half of the homes are still not lighted by electricity. You cannot interest people of moderate means in a high priced article, and therefore as you reduce your prices you can reach a circle of buyers which you were unable to interest before, so hand in hand with lower costs this is inevitable sooner or later. With the reduction of costs must inevitably come lower selling prices, and a widening of the circle of customers, and increasing business."

Ques. General business conditions?

Ans. As we see conditions they are fair. You have seen the publication of our report for the third quarter, that we did \$70,000,000 of business—twenty-six per cent greater than the same quarter of last year. For the three-quarters, or nine months, it was \$223,000,000, which is about ten per cent higher than last year. We hope for more than last year. We are looking forward to 1926 to a fairly good year; with some increase over this year's business. The estimates coming in from district offices—each district office estimates the amount of business they expect to do in their district, and we have the general department estimate of what they will do in their lines, and we then total them, and reconcile them, and that forms the bogey for the next year.

Ques. New developments in our line?

Ans. That is too big and general to answer. Those of you who read the papers, that is the technical papers, will see those things coming out from time to time. Improvements are constantly going on. It is the small improvements that count, enabling us to produce in large quantities at lower costs so that we can offer the product at a better price, bringing a greater volume of business to the community. So we are able to assist people to have in their homes electrical devices which they could not previously afford. Reductions in costs work all along the line toward a larger volume of business. We experienced this

last year in the direct-current and induction motor line. We increased the volume of work, and in April of this year were able to reduce the selling prices. The motor business has increased since that time. An organization such as this which wants to keep in the forefront of its development, must have a certain part of the business and must follow suit. Our policy is clear. That wherever by ingenuity or better methods we can reduce costs and make a fair margin of profit we are going to give the public the advantage of it. The community has no objection to paying a fair margin of profit. If you give the community service they are willing to pay for it. We won't reduce prices if the conditions won't allow. We are not trying to drive anyone out of business or get all of it. If our competitors reduce prices, even if our margin will not allow, we must follow suit. When we reduce our prices voluntarily, it means we have improved our methods so we can afford to still make a fair margin of profit.

Ques. Why has the General Electric Employees' Security Corporation interest accumulation been limited?

Ques. Would it be possible to allow an employee to subscribe for more than \$500 in the G-E Securities Corporation?

Ans. What we are doing in the G-E Employees' Securities Corporation is to provide an eight per cent investment for our people, guaranteed by the General Electric Company, which is a large undertaking. What we wanted to do was to provide that investment for the man of moderate means who has not the time or knowledge of finances to make these investments himself, so we set the limit at \$500. With a man, for instance, getting an income of \$3,000, a saving of \$500, of course, represents sixteen per cent of his income. If a man on \$3,000 saves sixteen per cent he is doing very well, and if a man is getting \$4,000, \$500 is about twelve per cent. Usually, too, when a man gets up to an income like that he is on extra compensation. If a man is five years or more with the Company he gets five per cent supplementary compensation; therefore he may subscribe to \$500 or \$700 a year. Of course \$700 out of a \$4,000 income usually is a pretty substantial amount to put away. It is particularly for the people of moderate means, and that was the design of it. We said if we limit it to \$500 it must include the interest accumulation. After a few years, of course, the \$500 that you subscribed for, plus the interest on the bonds heretofore purchased, will roll into quite a figure, so we said as long as the limit is \$500, we want to keep it \$500, and that is the reason why the limit is \$500. This is working out very well, and I do not know why I should not stick with these figures. The total amount subscribed is something like \$20,000,000 on the part of 30,000 employees, and of those employees there are sixty or sixty-five per cent eligible to subscribe. Of that \$20,000,000, ninety-six per cent of it is owned by the men getting \$4,000 and less per year. It is exactly what it was designed for, and it is working out. It was our

object to provide an investment for the man of moderate means, and it seems to me these figures prove we are coming pretty near doing it.

Ques. Who are the stockholders of the G-E Employees' Securities Corporation and does this stock pay dividends?

Ans. The General Electric Company is the only stockholder of the G-E Employees' Securities Corporation. The Company owns all the stock and the bonds are owned by the employees, and were given to them for subscriptions, extra compensation, etc. The stock was originally put in to make a security in back of the bonds to make it dead sure one could have their money back even if the market fell. We had to do something like that. We wanted to assure the men in the Company that we had provided sufficient margin to withstand the "rainy day." That stock has not paid any dividends. We have allowed no profits to accumulate there. When we have gone through a period of depression, and come out of it again, and we have a reasonable margin of safety, the stock may be put on a dividend basis. The G-E Employees' Securities Corporation pays six per cent interest, and the Company pays two per cent out of its own pocket, and the Company has not received anything back as yet from the Securities Corporation. We are not in a hurry for it, and would rather let it accumulate there to make it a greater safeguard against anything that might happen.

Ques. Are the rates of the G-E fair, and does everyone share an opportunity for advancement without a "pull"?

Ans. I bring this question before you because I like that question. What could any man answer in my place, but of course we are fair? Anyone faced with an audience like this would naturally say of course they are fair. You are going to make up your minds, not necessarily tonight, but tomorrow and in the weeks and years to come. It isn't what we say but what we do that will impress you with the idea of whether we are fair or not. I can say this—that we mean to be fair. We undoubtedly will make mistakes. It is in just such forums as this that you should bring any complaints that we are not fair. If you can do that frankly I think you will be paying the greatest compliment to the management you can, because you will be dealing with it frankly and telling them what you think of it. "By their fruits ye shall know them," and I will leave it that way, and I hope that we will or we may justify in your minds that we are fair, and we will try to be.

Schenectady—Awards totalling \$17,651 were paid to 1,728 employees of the General Electric Company during the six months of the current year for suggestions which ranged from safety devices for the protection of workers to improved methods of manufacturing. The individual awards ranged from \$1 to \$500.

During the corresponding period of 1924, \$18,871 was distributed to 1,547 employees of the Company. The highest award was \$400.

Directors of G. E. Employees Securities Corp. Held Meeting at Schenectady Nov. 2

THE meeting of the Directors of the G-E Employees Securities Corporation was held November 2, 1925, at Schenectady, New York. At this meeting the minutes of the annual meeting of the directors, held in Schenectady on April 9, 1925, were approved, and also the minutes of the Executive Committee meetings which are held each month. The minutes of each executive meeting was read and Mr. Lovejoy, president of the corporation, called for discussions on all transactions of each meeting. The explanation of these individual transactions were taken care of by individual members of the Executive Committee who were more familiar with the buying and selling of securities, the nature of these securities and the individual points concerning them were explained to the satisfaction of all directors. Mr. Darling, treasurer of the corporation, gave a report which was very gratifying in that it shows a good balance in the bank with all interest and dividends paid on the securities the corporation owns, up to September 30, 1925. Mr. Lovejoy again asked for points of general interest to the directors and it developed the most important point suggested was: "Are the employees going to get a chance to purchase another issue of bonds in 1926?" In the discussion it developed that these utility securities were very hard to get at this time, especially at prices that would make a good investment. Unless you get securities that make good investment it was felt that it was not good business to

buy these securities. Mr. Lovejoy stated, however, he would be willing to interest the Executive Committee to make every effort possible to get these securities, providing the directors felt that the employees they represent would subscribe as liberally to these bonds in 1926 as they had to the other issue. It was the consensus of opinion that our employees are quite anxious to get these bonds as they are now educated to the value of these bonds from a saving standpoint. Mr. Swope's letter of recent date concerning the accumulation of interest to an amount which with the total subscription for the year exceeds \$500 was discussed. It is understood that checks for this excess accumulation will be sent to the bondholders on the next interest date, which is December 1st. Some of the directors felt that some method should be provided for investing this accumulation of interest and it developed that a plan is now being discussed whereby advice will become available to those who are seeking investment. This matter will be developed as soon as possible.

F. G. DURYEE,
Bond Director.

Thirty-Five Awards Last Month (Concluded From Page 5)

Herman J. Brown, Building 26-5, on guards on belts on drill presses No. 6113, No. 2089, and No. 2988 in Building 26-5.

Carl Doenges, Building 12-2, on plac-

ing guards and table on thickness planer in Building 12-2.

E. J. Wagner, Building 2-3, on guard for drive belt on tapping machine No. 2970 in Building 2-3.

Albert Narhwold, Building 19-1, on cover to retain oil on Lodge and Shipley machine No. 1086, in Building 19-1.

Alfred B. Rondot, Building 26-5, trays for tools on shaper type winding machines in Building 4-5.

Dorothy Hormel, Building 18-1, on new style box for tracings in Blue Print Department door in Building 18-5.

J. Rockhill, Winter street, on oil drain in ice machine OC-2, form I.

See Decatur Section for story of their awards.

G-E Foremen's Club Stage Big Event

The Foremen's Association held its usual big "Thanksgiving" Dinner meeting on November 25th at 6:30 o'clock in Building 16-2. This meeting was the grand finish of the strenuous political campaigns that have waged between the four sets of candidates striving for the honor of leading the club to still greater accomplishments next year. Much campaign literature emanated from the camps of the rival candidates preceding the final meeting on the election night, and the campaigns closed with much oratory following the big dinner and just preceding the taking of the ballots. The successful candidates were:

President—Harry Hire.
First Vice-President—E. A. Sivits.
Second Vice-President—F. M. Thompson.
Third Vice-President—P. Kindt.
Secretary—Lloyd Platt.
Treasurer—Robert Gollmer.

The retiring officers are William Buuck, president; H. Anderson, Howard Freeman and H. Andress, vice-presidents; Lloyd Platt, secretary and Fred Schafenacker, treasurer.

The big dinner and election of officers was, of course, a stag affair. However every attention was given to details to make this an admirably appointed affair. The Entertainment Committee composed of Robert Gollmer and his assistants, E. J. Sivits, Ralph Dolan, R. Van Auken and R. Craig, had arranged a roast turkey dinner complete to the last detail. Then there was music during the dinner by Paul Spiegel, piano, and Lloyd Grosvenor, violin. Howard Freeman, Henry Schnurr, Ralph Dolan and Frank Thompson, all members of the club, gave several special quartette numbers following the dinner.

Not the least of the evening's entertaining events were the initiations arranged for the eighteen candidates for membership in the club. The new members are: R. A. Haney, J. J. Rockhill, Clarence Hueber, Wallace Reed, Alton Kissinger, H. Habig, H. L. Lenz, Emanuel Zimmerman, J. Homrighouse, Wm. P. Altekruze, Edward Frazier, Earl Gebert, Russel Frey, Arthur Pfeiffer, Clarence Allen, Arthur Knoll, J. J. O'Tool, John Hernee.

G-E EMPLOYEES' SECURITIES CORPORATION SCHENECTADY, NEW YORK

November 20, 1925.

Mr. F. G. Duryee,
Fort Wayne.

At our last directors' meeting you stated that many inquiries have been received from bondholders asking how to invest the money they will receive on December 1st for the accumulated interest on their holdings.

In response to these inquiries, you may suggest that the funds be applied to the purchase of additional G-E Employees' Securities Corporation bonds on account of the \$500 maximum to which they would be entitled for the year 1926. Those who decide to follow this suggestion should fill out the formal subscription under terms "B", inserting the amount of bonds they wish to buy out of their interest accumulation check. They should take the blank with the check to the Works accountant, who will take care of the matter for them.

This is the best suggestion we have to offer and I believe it will cover the majority of the cases which will come to you.

S. L. WHITESTONE,
Vic-President.

Second Term of Night School to Start on January Fourth

Seven Different Classes Open to Beginners

THE second term of night school will open January 4th. In keeping with the plans to offer a definite educational program with a definite system of advancement from one subject to the next succeeding one, several new courses will be offered.

In addition to the ten subjects given the first term, advanced algebra, alternating current machinery, advanced classes in typewriting and shorthand, analytical geometry, and a class in vector analysis for apprentice tester and draftsman graduates will be presented.

Requirements

The elementary courses in electricity and algebra, and the courses in arithmetic and blue print reading, drafting, public speaking, typewriting, and shorthand are open to any employee of the company. For admission to the courses in D. C. and A. C. electricity, trigonometry, and analytical geometry, the completion of certain other courses or their equivalent is required.

If the employee has any doubt as to the subject he should take, or if he wishes additional information either on the subject offered or on his eligibility to take the subject, he may obtain permission from his foreman to see E. J. Thomas, Apprentice Department, Building 26-5.

Tuition

The same plan for payment of tuition will be used as for the first term, i. e., four dollars will be charged for enrollment in each course, and this amount will be deducted from the student's pay in four weekly installments of \$1.00 each. Those completing the courses satisfactorily with an attendance at ten or more of the twelve regular classes will receive a refund of the entire sum at the end of the term.

Classes will meet once a week in suitable classrooms about the Plant at 5:15 p. m., and continue until 7:15 p. m.

Text books and other materials required in the classes will be supplied at cost.

An enrollment of at least fifteen in a course will be required to start a class.

Announcements of the schedule of classes and instructors for the various subjects will be made in the Works bulletins at a later date. Application blanks will also be distributed the latter part of the month.

Large Enrollment

With an enrollment of 206, the present term has enjoyed the largest registration in the history of the school. The students are showing a keen interest in the work as is manifested by their good attendance. The work being done is very satisfactory and with the good attendance nearly every one is expected to complete their respective courses and receive their refund.

The accompanying pictures are of three of the larger classes. Any of the people in these pictures can tell you about the night school work. Ask them or any others who have attended night school classes about the courses and send in your application.

Twenty-two thousand five hundred persons were killed in street and highway accidents in 1924. This is about sixty-two every twenty-four hours. Are you doing everything you can every day to prevent such accidents?



G-E NIGHT SCHOOL CLASS IN DRAFTING

Top row—Arthur Treece, Ernest Eber, D. E. Morriss, E. M. Bender, G. L. Dohr, W. O. Fritze, Wm. Bartels, Maurice Clover, Matthew Boland.

Middle row—J. A. McKim, instructor; G. E. Milligan, C. W. Hoffert, Ernest Brown, O. K. Huebner, Paul Moore, Clarence Favourite, Kenneth Henney, Clarence Shuricht, J. G. Gellerman.

Bottom row—Z. M. Flaler, D. G. Beeler, Abner Wolverton, Ellis V. Fast, W. F. McKinney, G. E. Shattuck, Kenneth J. Rupp, A. D. Fence, R. H. Siebert.



CLASS IN TRIGONOMETRY

Top row—O. Weikart, G. L. Dahr, L. Hammill, E. W. Garringer, W. Kryder.

Middle row—L. Bond, J. W. Haffner, P. L. Grady, J. P. Mitchell, Carl Pomp, L. W. Guilford.

Bottom row—B. T. Beaty, R. G. Roux, G. Zoller, L. R. Logan, J. Fulk, B. Offord. Standing—H. C. Rath, instructor.



TYPEWRITING CLASS G-E NIGHT SCHOOL

Top row—Everett Davey, Paul Bauer, Irving Fohlmeyer, Emil Hans, Francis Pollock, Donald McConnell, Raymond Smith, Philip Schroeder.

Second row—Mildred Frick, Madelyn Hoffman, Ruth Shaffer, Melba Jubinville, Helen Hartman, Ruth French, Rena Davis, Cora Brunner, Ethel Masterson, Helen Krauhs, Merle Stickelman.

Third row—Ruth Pressler, Cecelia Saylor, Lena Hess, Laura Joho, Helen Drewrey, Dorothy McBride, Evelyn Stickelman, Mary Ness.

Bottom row—Dewey Wickliffe, Noma Wilkey, Loree Moore, Velma Vincen.

Standing—Left: Viola Havert, instructor. Right: LaVera Vail, instructor.



RECENT APPRENTICE GRADUATES

G-E Squares News

The regular monthly meeting of the G-E Squares Club was held Tuesday, November 2nd. The usual routine business was disposed of and several prospective members were voted upon. The new men are:

Ray D. Jones, Purdue University.
Harry Dupuis, University of Wisconsin.
Richard Hartigan, Kansas State College.
All of these men are of the class of 1925.

The remainder of the meeting was devoted to the discussion of a dance to be given sometime before the Christmas holidays. The selection of a date and other arrangements were left for the Social Committee, of which Helge Hoglund is chairman.

Notices of basketball practice have been sent out to all members of the club. The first game of the Inter-Department League is scheduled for December 10th, so it is very important that all candidates for the Squares' team should report for the first practice.

Helge Hoglund and F. A. Arnold were in Lafayette for the Purdue Homecoming.

Eugene R. Woodworth, Iowa State College '25, has been transferred from the Student Course to the Electrical Engineering division of the Building and Maintenance Department.

R. L. Whitaker, H. R. Cass, and J. J. Shelly witnessed the Minnesota-Michigan struggle at Ferry Field, Ann Arbor, Mich.

E. L. Misegades and R. E. Coates drove to Chicago for the Chicago-Wisconsin game. While in Chicago they met Ed. Winterhalter, who was transferred in August from Fort Wayne to the Chicago Engineering Office to do transformer service work.

Ted Volkmer, University of Iowa '25, spent the week-end of November 14th in Cleveland, Ohio, where he attended the wedding of his aunt.

Among those who attended the Ohio State-Illinois football game at Columbus, were D. O. Ferguson, J. S. Stevenson, and E. J. Thomas. "Steve" remained over in Columbus for a week to renew the home ties once more.

Five Apprentice Graduates and Three New Students

October was a record month for graduations from our Apprentice School, four apprentices finishing their work during that time. One other graduate during the forepart of November gives us five graduates to report in this issue of the G-E News.

Percy Pepper completed the three years' Draftsman course, October 3rd, but we failed to get his photograph in time for publication last month. Although born at Butler, Indiana, he attended the Fort Wayne Harmar grade, and Central High School, graduating with the class of 1921. Soon thereafter he enrolled in the apprentice course here. Mr. Pepper completed satisfactorily both classroom and shop work, and therefore received a \$75 bonus with his diploma. Mr. Pepper is now working for B. C. Evans on tool work, Building 18-5.

Bernard Gausepohl, Erwin Steinacker and Milton Kline, all completed the Machinist and Toolmakers' course, October 31st, and each received a \$100 bonus with his diploma for this four years' course. All three of the boys did so well in shop and classroom work that they were given a three months' credit and graduated after forty-five months' work.

Mr. Gausepohl attended St. Mary's Parochial school and on leaving there was employed for a time under Foreman William Miller in our Transformer Department, before taking up the apprentice work. He is now working for Mr. Weitzman in the Apprentice School.

Mr. Steinacker attended St. Peter's Parochial school and took two years of high school work at the St. Peter's High School before taking up the apprentice course. He is now working for Foreman Frank Hoffman of the Tool and Die Making Department, Building 26-5.

Mr. Kline attended the Washington and the Jefferson grade schools and took three years' work at Fort Wayne Central High School previous to starting work on the Machinist and Toolmakers' course. He has been assigned to permanent work under

Foreman J. Schoedel at our Winter street Plant.

John Rogers took the three years' Electrical Tester course and completed it with credit on November 9th. He received a \$75 bonus with his diploma on that date.

Mr. Rogers came from Vincennes, Indiana, where he attended the St. Francis Xavier grade school of that city and the Vincennes High School, graduating with the class of 1922. After graduating from high school he came at once to our Plant to take up the apprentice course, which he has just completed. He is now working in the Rate Setting Department for I. H. Freeman, Building 18-1.

The new students which we are glad to welcome in this issue are, Robert Bredemeyer, Arthur Bowers and Morris Skinner. Messrs. Bredemeyer and Bowers are Fort Wayne boys, taking public grade school work in our city before joining the apprentice group. Mr. Skinner, however, comes to us from the state of Nebraska, a graduate of the Ainsworth High School, class of 1925. He is taking the three-year Electrical Tester course. The two Fort Wayne boys are taking the four-year Machinist and Toolmakers' course.

"Wanted—A Slogan or Rhyme"

Try your hand at writing a short, snappy safety slogan, rhyme, or limerick.

We are anxious that the employees about the shop help us in every way they can to carry on the Safety Movement and feel that much good will result from short, original sayings published each month under the writer's name and department in which he or she is employed.

We will start this practice beginning with the January issue, publishing five each month. If you a cartoonist, draw a picture and send it along.

Send all material of this nature to the Safety Editor, Industrial Service Department, Building 19-1, before December 19th, if you want it published in the January News.

A bed at home is worth two in the hospital.

G-E Male Chorus Now Formally Organized

Opened Friday Noon Programs; Ex-
tends Invitation to Anyone Who
May Be Interested to Join.

THE G-E Male Chorus of thirty voices under the direction of I. H. Freeman, opened the season's Friday noon events in Building 16-2 with a program on November 6th. Rounds of applause greeted each number on the program; the approval of the audience being sincerely merited, for the club has developed both in ability and in numbers since its former appearances of early in the past summer. Anyone who heard the club in its earliest concerts will recall that the club even then could sing. Since that time the members have attended weekly practices, maintaining such schedule throughout the heat of the summer months. This shows that the opportunities of such musical training under the direction of Mr. Freeman appeals to the singers of the Works. The effectiveness of this training is reflected in the quality of the musical treat the G-E audience enjoyed during the noon hour, November 6th.

The chorus was assisted in this concert by Paul Dannecker, violinist, and William French, pianist, who accompanied both the violin and the glee club numbers. Frank Thompson, baritone, and H. M. Bennett, tenor, took the incidental solo parts in the chorus numbers. The program was as follows:

"Hark, the Trumpet".....	Buck
"Ole Uncle Moon".....	Scott
"Can't You Hear Me Calling?".....	Roma
Violin Solo	Selected
Paul Dannecker.	
"Bells of St. Mary's".....	Adams
"Song of the Vikings".....	Fanning

At a meeting in Building 16-2 on the evening of November 9th, the G-E Male Chorus was formally organized. The organization was previously designated as the "G-E Men's Glee Club."

Dinner was served at this meeting for members of the chorus and the guests, Messrs. W. S. Goll, J. H. Evans, E. A. Barnes, and W. J. Hockett. Short talks were given by each of the guests—Mr. Hockett acting as chairman and toastmaster for the occasion.

A constitution and by-laws were adopted, and officers of the organization were elected. The officers for the coming year are: President, Howard Miller; vice-president, James Patch; secretary-treasurer, Neal Hench; director, Howard Freeman; assistant director, Bernard English; librarian, Ralph Dolan.

The purpose of this organization is to further the interest in singing, especially male chorus selections, and to bring together all those who enjoy this form of recreation. The G-E Male Chorus has been singing on various occasions here at our Plant during the noon hour, and a fine program is being worked up for the big G-E Christmas party.

The men comprising the chorus at this time are: Director, H. Freeman; pianist, W. French. First tenor: George Braun, Ralph Dolan, Ralph Latham, Paul Vance, Owen Vaught, and James Workman. Second tenor: Harry Bennett, Elmer Bly, Marshall Dole, Barnard English, Neal Hench, Walter Prince, Henry Schnurr, Wm. Schultz, George Seibold and Noah Tilman. Baritone: Frank Coleman, Wm. Doan, Ray Gaskill, Ewald Kimm, K. Lagerlof, F. A. Thompson. Bass: Roy Bastian, Joe Eitman, Eric Gawehn, Howard Miller, James Patch and George Sullivan.

Among Our Absent Employees

Miss Helen Hensch, of the Meter Department, Building 26-4, was recently confined to the Lutheran hospital, where she underwent a very serious operation. A number of her co-workers who visited her at the hospital reported that she was getting along fine and expected to leave the hospital in a few days for her home at 819 Eckart street.

Fred Hauss, of the Detail Department, Building 2-3, has been critically ill for several weeks following an attack of arthritis and other complications. His condition was considered very serious for some time, but he is now showing signs of improvement and feels very confident that he is on the road to recovery. He resides at 1208 McClellan street, and no doubt an occasional visit from his fellow-workers would be greatly appreciated.

Mrs. Miranda Floyd, employed as matron in Building 19, is now at her home, 1402 Wells street, recovering from an operation. The personnel representative visited her recently and found her feeling fine, except that she is still very weak, but Mrs. Floyd feels sure that she will be able to return and take up her duties the first of the year.

A. I. Cook, of the Meter Inspection Department, Building 26-4, is confined to his home at 127 Wallace street, suffering from stomach trouble and other ailments. As it is impossible for him to get out we suggest his friends around the Plant drop in and pay him an occasional visit to help him pass the time away.

Miss Alma Lehrman, employed in the Small Motor Department, Building 4-4, is reported as recovering nicely from an operation. While Alma says she is feeling fine, she plans to follow the advice of her physician and remain at home several months.

Robert Payne, an employee in the Meter Department, Building 26-4, has been confined to his home at 310 Sixth street, on account of trouble with his eyes. It was at first feared he would lose the sight of one eye, but the latest report from him is that he now has a faint vision in that eye and feels confident his sight will be restored.

William Reed, residing at 1206 Wall street, and an employee of the Meter Department, Building 26-4, has been absent for some time suffering from an attack of arthritis. Mr. Reed is now able to be about and came up to the Works a few days ago to call on his fellow-workers and informed us that while he had lost considerable weight, he was feeling fine and thought he would be back in our midst about the first of January.

Christ Blumenberg, employed as a watchman, is confined to his home at 1204 Huestis avenue, on account of sickness. Mr. Blumenberg has been very active around the Plant and has made a lot of friends who will be interested to hear that he is feeling some better. We hope his period of disability will not be long and that he will soon be able to take up his duties again.



WORKS LIBRARY—OPEN TO ALL EMPLOYEES

Girls Department



Fifty Dollars Offered for Best Name for Chair

**Contest Open to Girls of Fort Wayne, Decatur and
Schenectady Works**

THE new type of chair now being put into service in a number of departments where girls are employed here at Fort Wayne and Decatur, and at the Schenectady Works is to be named. The chair was designed especially for the needs of General Electric employees and for that reason the chair company has given women employees of Schenectady, Fort Wayne and Decatur Plants, where the chair is being used, the opportunity to name it.

A cash prize of \$50.00 will be awarded the woman who suggests the name the judges adopt: Dr. D. Glenn Smith, Schenectady Works; General Superintendent E. A. Barnes of our Fort Wayne Works, and Edward L. Koenig, of the Koenig Manufacturing Co., will be the judges.

The new chair has kept the idea of durability, but has added correct posture inducing features. There are three main adjustments on the chair: First, height of the seat; second, height of back rest; third, forward and backward adjustment of position of back rest. These adapt the chair to meet the needs of different individuals and different kinds of factory operations.

Posters announcing the contest will be placed about the Works and sample chairs will also be placed on exhibition at advantageous places in our Fort Wayne and Decatur Plants, so that all the girls will have an opportunity to see and try the chair.

The contest will open December 5th and close December 19th. The prize winner

will be announced in the January issue of the WORKS NEWS.

Entry blanks can be secured from the dispensary nurses and personnel workers at Fort Wayne and from Miss Olive Walters, nurse at Decatur Works.

The contest entries should return their suggestions to the persons from whom they secured the blanks. None will be accepted after December 19th. Each contestant should remember to enclose in the contest envelope a slip with her correct name department, clock number and the plant in which she works, clearly written thereon. The actual names of the contestants will not be known until the winning name is decided.

Elex Club Announces Christmas Party

The Social Committee of the Elex Club has planned a Christmas party for club members, to be in the form of a "kid party", with Santa Claus and everything. The girls are expected to wear some of their pre-grown-up frocks and bring a ten



HALLOWE'EN PARTY OF GIRLS OF BUILDING 26-4

cent gift for exchange. The party will be held in Building 16-2 at 7:30 o'clock Wednesday evening, December 16th. This will be an occasion for Elex girls to forget their age and be "kids" once again, and at the same time help to gladden the hearts of some less fortunate children in an orphan's home or some other institution, by leaving the gifts which are brought to the party in charge of the Service Committee, which will see that they are distributed to the right places.

Building 26-4 Girls Have Hallowe'en Masquerade Party

The Hallowe'en masquerade party held on October 30th, in Building 16-2, by about thirty girls from Building 26-4, was a decided success from everyone's point of view. Music was furnished by "Denny's" orchestra, the members of which are all employees of this Works.

The first number on the program was a ghost walk and it was a series of thrills and excitement from beginning to end. This was followed by the grand march and the judging of costumes. There were many clever costumes and make-ups which kept the judges and guests busy trying to determine who was who. Prizes were awarded to Miss Alice Piepenbrink, who was masked as "Rastus from Tennessee," and Miss Nell Abt, as "The Sweet Girl of Ten". The judges were the Misses Bertha Prange, Della K. Knoche and Gladys Dixon. Bobbie Griebel, son of Mr. and Mrs. George Griebel, residing on Taylor street, gave several solo dances. Games played during the course of the evening included bobbing for apples and the "sad ending of the cat," and a suitcase race, for which prizes were given.

The chairmen of the committees in charge, to whom the girls are indebted for the excellent arrangement of the party, such as decorations, entertainment, refreshments, etc., were the Misses Bessie Smith, Chloe Hamilton and Ruth Dixon. Miss Irene Whitehead, of the Industrial Service Department, a guest at the party, should also be given credit in assisting with the arrangements. Others present were, the Misses Ethel Sherer, Dorothy Rebber, Dorothy Keener, Edith Unger, Alice Piepenbrink, Beulah Peffley, Marie Smith, Marcella Weinann, Marie Ehrman, Loretta Bendele, Clara Henry, Lucy Clouse, Betty Griebel, Nell Abt, Rose Schmidt, Lucille Baughman, Wava Blanchard, Edith Holle, Mrs. Annette Turnbull and Mrs. Cecil Linker.

Decorated Desk and Presents Greet Violet Schaefer-Krahn

Miss Violet Schaefer of the Service Bureau, was married to Harry Krahn, of Fort Wayne, on October 21st. Their attendants were Miss Janette Haslup of the Fractional Horsepower Motor Department, Building 3-3, and Clifford Clark. Mr. and Mrs. Krahn spent their honeymoon on an extended tour through New York state. They are now at home to their many friends at 419 East Jefferson street. On



MISS GRACE PHILLIPS

Mentioned last month as appointed to have charge of employment, training and placing of stenographic and clerical workers.

Mrs. Krahn's return to work on November 2nd, she found her desk attractively decorated in peach and white, and on top of the desk were some beautiful gifts from her co-workers.

Elex "Pep" Meeting An All-G-E Girls' Party

At 5:30 o'clock, November 18th, about 105 G-E girls, many of them Elex girls but there were a number of them who were not, lined up in Building 16-1, where they were served a delicious cafeteria supper, interspersed with song and yells by enthusiastic club members. The girls then marched up to the second floor by way of the narrow stairway through the kitchen. At the top of the stairway stood two girls who pinned each girl's name, written on a slip of paper, on her back. This served as the basis of a "get-acquainted" game and contest, which was played later in the evening.

Mrs. Frances Long, a former employee of this Works, who is also well known for her dramatic ability, gave several humorous readings which were very much enjoyed. Bobbie Griebel, a young interpretative dancer from this city, had the girls guessing for some time as to his identity. Bobbie, alias Mary Vance, gave several vocal solos accompanied by Miss Ruth Weaver. After the entertainment the girls sang and yelled their peppy songs and yells directed by Miss Irene Whitehead and Tressie Singrey. Games and dancing were other features of the evening's entertainment. This party proved that all of the committees responsible for the event were on the job. Social Committee saw to it that everyone was served refreshments of punch and wafers, before going home. The peppy spirit of the girls could not be dampened by the rain which they found coming down when it came time to go home.

Post-Nuptial Party Given in Honor of Josephine Wehrle

A very pretty post-nuptial shower was given in honor of Mrs. August Becker, formerly Miss Josephine Wehrle, a bride of last month, in the Works' club rooms on Friday, November 13th. Music, dancing and progressive bunco were features of the evening, prizes being won by Miss Rosella Kiep and Mrs. Deloras Orr, who in turn presented them to the bride. At a late hour a delicious two-course luncheon was served in the official dining room. The table was very prettily decorated in colors of white, green, and pink. A large white basket filled with pink roses formed the centerpiece, while tall tapers of pink and green were used at the ends of the table. A pretty lamp was given to the bride by the girls present, namely, Gertrude Traxler, Ruby Kuhn, Rosella Kiep, Dorothy Osborn, Margaret Wehrle, Dorothy Bixler, Dorothy Thompson, Anna Walburn, Naoni Graver, Erma Somers, Eva Overly, Mary Calvert, Thelma Sparks, Leone Quinn, Naomi Armstrong, Loretta Grothouse, Helen Litot, Leota Boxwell, Juanita Bender, Louise Borgman, Agnes Wehrle, Edna Sarrizen, Helen Gnau, Lillian Stucky, Deloras Orr and Dorothy Bolt.

STENOGRAPHERS' COLUMN

ARE you interested in reviewing your shorthand and increasing your speed and accuracy in writing? Then join the shorthand class next term.

The new term will start January 6, 1926, and will begin with Lesson 8 of the Gregg Manual. Lesson 8 takes up the rules for expressing R; Lesson 9 presents a review of the wordsigns with new wordsigns; Lesson 10 introduces the abbreviating principle; Lesson 11 gives phrase writing, and from then on advanced principles are given.

If any of you stenographers are interested in a review of your shorthand to brush up on some of the old forgotten principles, as well as wordsigns and phrases, this will be an excellent chance for you to do this systematically. You who have had shorthand would not, of course, have found the work of the shorthand class this term very interesting, but this second term's work will be very helpful, and we advise you to sign up immediately. Send your name, Works address, and telephone number to E. J. Thomas, Building 26-5, stating that you want to enter the shorthand class next term.

The tuition for the course is \$4.00, which will be refunded to you at the end of the term if you attend ten of the twelve meetings of the class and make a grade of seventy-five per cent in your work.

Let's get into this enthusiastically and turn out some real speed writers next term. There will be a great deal of fun in it for everyone, not to mention the various awards which may be won.

Decatur Works Section

Charles Fisher Wins Seventy-Five Dollar Award

Jesse B. Roop Wins \$35.00 Award

THE following awards were made at the Decatur Works up to November 18, 1925:

Charles Fisher, an award of \$75 on a suggestion regarding the making of adjusting blocks from back plate scrap. Mr. Fisher noticed that this was possible and made a suggestion resulting in considerable saving to the Company.

Jesse B. Roop, an award of \$35 on a new conveyor and tables at the ovens. This suggestion facilitates the handling of flanges at the ovens and cuts down the number of men required on this job.

Omer McManama, an award of \$15 on the interchanging of ground test for cut out and cut in test. This change eliminates the rebalancing of armatures rejected at the ground test.

George Meyers, an award of \$5 on a method of separating inner collector ring from punched holes.

Clarence Drake, an award of \$5 on the installation of lights over final inspection of motors.

Among Our Absent Employees

Ralph Rabbitt, of the Inspection Department, is slowly improving from a severe attack of pleurisy. We will be mighty glad to have you with us again, Ralph.

The Misses Alta Hahnert, Cecil Reinhart, Hilda Coyne and Mrs. Uhrsan are rapidly improving from their injuries received in an automobile accident which occurred enroute home from work FRIDAY, 13th. An unlucky day, girls, but we hope to have you with us soon.

Miss Fern Passwater has been transferred to the Pay Roll Department.

Other new employees are: Charlotte Gephart, Ruth Cornell, Hope Hart, Goldie Merriman, Esther Van Emon, Ethel Cook, and Margaret Bright.

Weddings

Miss Verena Miller, of the Pay Roll Department, and Henry Meyers, a former G-E boy, were married Tuesday, November 24, 1925, at the St. Mary's Catholic Church, Decatur. The newlyweds are spending their honeymoon in northern Indiana. They will make their home in Gary, Indiana, where the groom is engaged in business.

Miss Alta McKean, of the Winding Department, and Forrest Lake, of Decatur, were married quietly November 7, 1925, at Monroe, Indiana.

THE WORKS NEWS is glad to carry congratulations and best wishes from the Decatur employees to the newlyweds.



DECATUR WINNERS OF SUBSTANTIAL SUGGESTION AWARDS

GeCode Club News

Tuesday evening, November 17th, the GeCode Club Girls held their regular weekly meeting and supper. A delicious supper consisting of roast beef, roasted potatoes, gravy, creamed peas, peaches, wafers, bread, butter and coffee were served to sixteen members. Plans were made for the Club Xmas Party and Exchange which will be held in the club room on the 16th of December.

GLAD TIDINGS

BY LINA GUTH, of Decatur Works

What a wonderful, beautiful day comes in December, in winter, the best day of all the year? "Christmas, of course!" Every one will sing out, "Christmas!" When it gets near this happy Christmas time, all people begin to look forward and count the days, the hours, the minutes before the day really arrives. We grow happier every day that brings Christmas nearer, and plan presents we are going to give our relatives and our friends to show how happy we are.

Once, a long, long time ago, there had never been a Christmas day, but people knew there was going to be one some year and how patiently, how anxiously they watched and waited for it to come, just as we do now. They were sad and unhappy but they watched, waited and sincerely prayed. There was only one hope which would make people happy; it would all happen when the King would come and this would be Christmas day, the first Christmas in the world.

So it happened; out of the starry sky came a beautiful shining angel, and around him and the shepherds shown a great light of the glory of God. Suddenly there was a multitude of angels singing the sweetest hymn the world has ever known, "Glory to God in the Highest and on Earth Peace,

Good Will to Men." Softly the music and the light faded away, all was quiet. But in Bethlehem was extreme happiness for there in a manger was born the little babe, Jesus, the King, for whom they had so long watched and waited. The King, who came into the world to make them and us and everybody happy and good.

So as the Christmas season again approaches, may we fully realize the real meaning of Christmas. May we open our hearts and praise God for another Christmas day, when many glorious reunions will be held. Sons and daughters will again come to home firesides to see the Christmas light beaming in mother's and father's eyes, and to receive gifts of love and kindness. Friends will greet friends with presents of Christmas friendship. Happiness will apparently be the key note everywhere, yet in far corners where no one seems to peer, there will be sadness and unhappiness. We, who have so much of Christmas, therefore, should share with those less fortunate.

Make the Christmas light, the light of Jesus, whose birthday we celebrate, penetrate to all corners of the earth, that all people may rejoice this year on Christmas day. Let all hearts be light and merry while all the people of the earth lift their voices in praise, singing Christmas carols of "Peace on Earth, Good Will to Men."

It Is Not Always Easy

- To apologize.
 - To begin over.
 - To admit error.
 - To be unselfish.
 - To take advice.
 - To be charitable.
 - To be considerate.
 - To keep on trying.
 - To think and then act.
 - To profit by mistakes.
 - To forgive and forget.
 - To shoulder a deserved blame.
- But it always pays.

ATHLETICS

G-E A. A.

Y. M. C. A. Industrial Basketball League Gets Under Way

THE curtain raised Tuesday night, November 24th, on this season's industrial basketball at the Central High School gym. Eight teams have entered this year and all games, with the exception of the first, will be played on the Y. M. C. A. floor each Saturday evening, the first game starting at 7:15 p. m. and the others at 7:35, 8:15, and 8:35 respectively.

A three-way tie exists for the permanent possession of the trophy symbolic of the basketball championship between Bowser, Wayne Knit, and General Electric. Should any one of these win this year the cup will belong to them. There is no reason why General Electric should not win if our team receives the whole-hearted support of every employee. These games are free and the team would appreciate a large turnout from the Works.

The schedule for the G-E team in the first round follows:

Tuesday, November 24—G-E vs. Bowser, 7:15 p. m.
 Saturday, December 5—G-E vs. International Motors, 8:35 p. m.
 Saturday, December 12—G-E vs. Bass Foundry, 8:15 p. m.
 Saturday, December 19—G-E vs. Wayne Knits, 7:35 p. m.
 Saturday, January 2—G-E vs. Wayne Tank, 7:15 p. m.
 Saturday, January 9—G-E vs. Dudlo, 8:15 p. m.
 Saturday, January 16—Tokheim vs. G-E, 7:35 p. m.

Follow this schedule and don't miss a game.

Inter-Departmental Basketball League Organized Again

A six-team inter-departmental basketball league has been organized and will play all of its games at Library Hall, (corner Calhoun and Lewis streets), each Thursday evening. Three games will be played each time, the first starting at 7:20, the second at 8:10, and the third at 9:00 p. m. The schedule has been divided into two halves, the winners of each half to play a championship game. The personnel of the league is as follows: Director, A. Konow, Building 18-2; assistant, E. L. Misegades, Building 19-1.

Section	Mgr.	Bldg.	Ph.
1 Meter Dept.	Harry Beitel	19-5	424
2 Transformer	E. J. Schurenberg	26-2	488
3 Apprentice	D. Thompson	26-5	639
4 Frac. H.P. Motor	Leonard Lapp	4-1	678
5 Office	R. Schlup	17-4	368
6 G-E Squares	E. W. Doerr	18-3	531

The season is scheduled to open December 10th. The schedule for the first few weeks follows:

December 10:
 7:20 p. m.—1 vs. 6.
 8:10 p. m.—2 vs. 4.
 9:00 p. m.—3 vs. 5.
 December 17:
 7:20 p. m.—2 vs. 5.
 8:10 p. m.—3 vs. 6.
 9:00 p. m.—1 vs. 4.



TROPHY WON BY G-E A. A. INDUSTRIAL CHAMPS

January 7:
 7:20 p. m.—3 vs. 4.
 8:10 p. m.—5 vs. 6.
 9:00 p. m.—1 vs. 2.

Bowling Proves Most Popular of Winter Sports

Meter Department League

The most notable change in the standing of the Meter Department Bowling League is the dropping of the Discs from second place last month to eighth place in this month's standing. The Elements and Jewels are staging a neck and neck battle for the top of the heap. Both teams, however, still have to fear those following and can't afford to slip. There will be some crashing of the maples when these two leaders clash. The standing of the league follows:

	Won	Lost	Pct.	Ave.
Elements	25	11	.694	741
Jewels	23	13	.639	737
Bases	21	15	.583	744
Magnets	21	15	.583	723
Terminals	18	18	.500	721
Seals	17	19	.472	713
Covers	15	21	.417	727
Discs	15	21	.417	709
Registers	13	23	.361	715
Pivots	12	24	.333	714

Rump is leading the league in individual averages with 174 for 36 games. Rupple is second with 170, and Weick third with 169. "Bill" Skevington kicked over the pins for a 242 count for individual high, topping Dreyer's 235, which takes second place.

Tool Department League

The G-E Tool Department wants the world to know that it can do something

else besides make tools. And a glance at the averages makes us believe it knows something about bowling. Accustomed to using "high speed" the pins have something to fear when this gang takes the polished drives. The standing of the teams follows:

	Won	Lost	Pct.	Ave.
Jigs and Fixtures..	18	6	.750	761
Grinders	13	11	.542	733
Special Tools	13	11	.542	729
Tool Supervisors....	12	12	.500	721
Machines	10	14	.417	748
Punches and Dies..	6	18	.250	728

Gerdorn is leading the pin bowlers in individual averages, having 176 for 24 games. W. Franke, Knepple, and J. Franke, each have 171 for second place and Hayes' 170 cops third place. Byanski knocked over the pins for a 235 count. Mettler's 222 is second and Suelzer's 222 is third.

Transformer Department League

We add to the rapidly growing list of bowling leagues that of the Transformer Department. The league is new and most of the players are beginners but the enthusiasm is there and the success of the league is assured. The standing of the teams follows:

	Won	Lost	Pct.
Terminals	11	4	.733
Coils	9	6	.600
Clamps	8	7	.533
Cables	8	7	.533
Covers	8	7	.533
Cylinders	6	9	.400
Tanks	5	10	.333
Cores	5	10	.333

High individual score belongs to Cox with 257 for a single game. Grimme is high for three games with 611.

Building 4-3 League

The Springs have jumped into first place in the Building 4-3 League, pushing the Collector Hubs down to third place. This league is another addition to our roll of bowling leagues and some good scores have been rolled. The standing of the teams follows:

	Won	Lost	Pct.	Ave.
Springs	19	11	.634	314
Fan Hubs	17	13	.567	315
Collector Hubs	17	13	.567	313
Shafts	16	14	.534	303
Insulation	15	15	.500	306
Bearings	14	16	.467	306
Brushholders	11	19	.367	293
Brushes	11	19	.367	281

Quinn is leading the league in individual averages with 189 for 30 games. Schoenherr is second with 173 for a like number of games. The latter also has high score for a single game with 243. The former is second with 239.

Some Good Counts Made in Girls' Bowling League

Several double century marks featured the bowling in the girls' league. Miss Stugusty's 204 was high but Miss T. Eising followed closely with a 202 count. The Overlands have replaced the Chevrolts for lead and the Hupmobiles have climbed into second place. The standing of the teams follows:

	Won	Lost	Pct.	Ave.
Overland	18	9	.667	371
Hupmobile	17	10	.630	353
Chevrolet	16	11	.593	374
Chrysler	12	15	.445	347
Dodge	9	18	.333	345
Moon	8	19	.296	340

General Electric Finishes Third in Industrial Volleyball League

The G-E team in the Industrial Volleyball League has waged a game battle, coming from far behind to finish in third place in the first round. Dudlo, winning all twelve games played, finished in first place.

The second half of the schedule will have to be deferred until spring to make way for the basketball games. It is expected to start the second round some time in March.

	Won	Lost	Pct.
Dudlo	12	0	1.000
Packard Piano	8	4	.666
General Electric	6	6	.500
S. F. Bowser	5	7	.583
International Motors	5	7	.583
Tokheim	4	6	.400
Pennsylvania	2	8	.200

Chess League Gets Under Way

Six players in Building 19-3 have formed the nucleus of a chess league. More players are wanted to join. Those wishing to enter should get in touch with Walter Holloway, Building 19-3. Games are being played every noon hour in Building 19-3. The players get much satisfaction out of the fact that the onlookers do not know enough about the game to coach from the sidelines so the games progress without undue interference. Harman Doell is showing the way with some clever playing and has not lost a game. Ernest Brown hasn't the range as yet, but promises a surprise next round. The standing of the league follows:

	Won	Lost	Draw
Herman Doell	9	0	1
Walter Holloway	6	2	2
Arnold Blomberg	3	3	2
John Schimile	3	6	0
Oscar Huge	10	5	4
Ernest Brown	0	6	3

Safety Representative For Winter Street Plant

Milton H. Kline, a recent graduate from our apprentice course, has been appointed safety representative for the Winter Street Plant. All employees at this plant are urged to assist Mr. Kline in reducing the accident rate to a minimum.

KEEPING FIT CONTEST

Standing of Major Departments, November 15, 1925

	Percent Accidents Allotted	Percent Accidents Occurring	Standing in Percent
1. Meter Department	17.98	8.20	54.40
2. Contributing Departments	19.64	14.20	27.65
3. Fractional H. P. Motor	19.40	17.48	9.90
4. Transformer	12.02	10.92	9.14
5. Apparatus	5.44	6.02	—10.68
6. Building and Maintenance	12.10	19.67	—62.60
7. Induction Motor	4.57	7.65	—67.40
8. Decatur	8.82	15.82	—79.40

Observations on the Keeping Fit Contest

Three major departments show a reduction over last year in losing time accidents for the first ten months. The departments and the per cent of reduction are as follows:

Contributing Departments	33.3%
Meter Department	22.2%
Transformer Department	20.0%

The Meter Department with approximately 620 employees worked 138,000 hours during the month of October without a losing time accident. The foremen and employees are to be congratulated on this splendid showing.

The Meter Department is pounding down the stretch in the Keeping Fit Contest about two lengths ahead of their nearest competitor, the Contributing Departments.

The Transformer and Fractional Horsepower Motor Departments are having a close fight for third place with the Fractional H.P.'s holding the edge by the narrow margin of .76 of 1 per cent.

Is your Christmas going to be a merry one or is it going to be saddened by an accident caused by some thoughtless act? Make the wife and kiddies happy by eliminating yourself from the careless, thoughtless class of workmen.

A Safe Christmas Is A Merry Christmas

Safety Committee Holds Quarterly Meeting

The quarterly meeting of the Foremen's and Permanent Safety Committee was held at 10:00 a. m. November 4th, in Building 16-2, with W. J. Hockett presiding.

E. L. Misegades, safety engineer, presented comparative statistics on lost time accidents for the first ten months. This was followed by a discussion on various existing hazards about the Plant, chief among which was the acid handling situation. R. O. Orff, foreman of the Receiving Department, presented some very good suggestions for clearing up the trouble as it now exists.

Bert Gage, safety representative from the Decatur Works, reported a material reduction in accidents at their plant in the last two months.

Be careful in going up or down stairs. Three accidents that occurred in this Plant this year were attributed to falls on stairways.

Never use a weak or defective ladder. The Company has men hired to repair equipment. Report any defective equipment to your foreman.

Statistics worry most men. When you are injured you become a "statistic". You not only worry yourself but everyone else as well.





How much should a woman lift?



This trademark is a symbol of quality which you will find on little motors that pump water or run household machinery, and on the big motors that irrigate vast farm sections and turn the wheels of American industries.

"A pint is a pound the world around," and the woman who carries from the well to the house the water needed for the average farm family lifts several hundred pounds a day.

A pump driven by a G-E motor will do this job for a few cents a week, where electric service is available.

Farm surveys in a number of states show that the most used electric conveniences are those that make woman's work easier.

95-65B

GENERAL ELECTRIC

There Came Wise Men from the East

We three kings of Orient are,
Bearing gifts we traverse afar,
Field and fountain, moor and mountain,
Following yonder star.

O star of wonder, star of night,
Star with royal beauty bright;
Westward leading, still proceeding,
Guide us to thy perfect light.

“Born a king on Bethlehem plain,
Gold I bring to crown Him again,
King forever, ceasing never
Over us all to reign.”

“Frankincense to offer have I,
Incense owns a Deity nigh;
Prayer and praising all men raising,
Worship Him, God on high.”

“Myrrh is mine; its bitter perfume
Breathes a life of gathering gloom;
Sorrowing, sighing, bleeding, dying,
Sealed in the stone-cold tomb.”

Glorious now behold Him arise,
King and God and Sacrifice;
Heaven sings Alleluia—Alleluia
The earth replies.

O star of wonder, star of night,
Star with royal beauty bright;
Westward leading, still proceeding,
Guide us to thy perfect light.



